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UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH ADMINISTRATION

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

LIST OF INTERCEPTED PLANT PESTS, 1948[1]

(List of Pests Recorded During the Period July 1, 1947 to June 30, 1948, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory)

INTRODUCTION

This report, covering the thirty-fifth year for which interception lists have been issued, summarizes the records of insect pests and plant pathogens found in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not offered for entry through customs, (4) offered for entry for immediate export or for immediate transportation and exportation in bond, and (5) in domestic shipments between Hawaii and Puerto Rico and the mainland.

In some cases collections made late in the year are included in the report for the following year, since determinations cannot be obtained immediately for all of them. Occasionally determinations are delayed for longer periods. The data for this list are obtained from routine reports by personnel of this Bureau, supplemented by information supplied by State and Customs officials. The States of California and Florida maintain staffs of specialists who determine a large proportion of the material collected at their ports. Specialists of the Bureau of Plant Industry, Soils, and Agricultural Engineering determine many of the difficult or unusual pathogens collected at the ports.

All scientific names are reviewed by appropriate specialists in the Department to assure conformance to the international rules of nomenclature.

While every reasonable effort is made to give the correct origin for all collections listed, the alleged origin of host plant materials cannot be verified in all cases, and where there is reason to doubt the accuracy of the information, the questionable items are either omitted or the origin is listed as unknown.

During the period under consideration importations of plant propagative material have continued to arrive from various parts of the world in volumes exceeding those of prewar years. Many of these perishable plant importations arrived by air transportation and with them came living pests in considerable numbers. Formerly, many of these same pests perished on long sea voyages. This increased threat to the nation's plant life has necessitated increased vigilance on the part of all persons concerned. Fortunately, the personnel of both the commercial air lines and the military services continue to render excellent aid in the enforcement of plant quarantine regulations intended to reduce the air movement of potentially dangerous plant materials to a minimum.

INTERCEPTIONS FROM AIR-BORNE MATERIAL

Air-borne plant material arrives in mail, baggage, express, stores, and freight, and interceptions of plant pests from such material have been frequent. During the year 3,324 interceptions were made of insects arriving by air with agricultural material or as stowaways. There were 172 interceptions of plant diseases. Approximately half the plant disease organisms were not determinable to species, but, from the evidence, appeared to represent little or no risk to this country. A few of the disease organisms specifically determined but not known to be in the

[1] Compiled by W. H. Wheeler, pathologist, Judith Hunt, scientific aid, and E. P. Reagan, entomologist, Division of Foreign Plant Quarantines.

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United States are, however, reported to be parasites of their hosts in foreign countries. These totals for plant disease interceptions, while not large, serve to illustrate the disease-carrying possibilities of plant materials brought to this country by air transportation. Some of the most important insects intercepted during the year were taken from host fruits and plants arriving by plane. In fact, planes are becoming the most frequent source of interception of certain notoriously destructive pests, particularly fruit flies.

Among the more important insects found in air-borne material were: The citrus blackfly (*Aleurocanthus woglumi*) on breadfruit in baggage from Jamaica, on *Bryophyllum* sp. in baggage from Bermuda, and on lime leaf in baggage from Cuba; the whitefly *Aleurothrixus myrtacei* on gardenia in baggage from Cuba; *Aleurotrachelus trachoides* on leaf of bay-rum tree in baggage from the Bahamas; *Anastrepha fraterculus* in orange in baggage from Brazil, and *A. fraterculus* (?) in guava in baggage from Colombia; the Mexican fruit fly (*A. ludens*) in mango and orange in baggage from Guatemala and Mexico, and in orange in quarters from Mexico; the West Indian fruit fly (*A. mombinpraeoptans*) in guava in baggage from Aruba and Puerto Rico, in *Ilex glabra* (gallberry) in baggage from Jamaica, in Malay-apple in baggage from the Dominican Republic, in mango in baggage from the Dominican Republic, Guatemala, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Salvador, and Trinidad, in mango in cargo from Jamaica, in rose-apple in baggage from Jamaica, and in yellow mombin in baggage from Cuba, Nicaragua, Puerto Rico, and Salvador; *A. serpentina* in mamey in baggage from Salvador, in sapodilla in baggage from Mexico, Nicaragua, and Venezuela, and *A. serpentina* (?) in sapodilla in baggage from Costa Rica and in mamey in baggage from Salvador; *A. striata* in guava in baggage from Costa Rica and Mexico; *A. suspensa* in guava in baggage from Puerto Rico, pupae and empty pupae cases of *A. suspensa* in soil in baggage from the Dominican Republic, and *A. suspensa* (?) in guava in baggage from Cuba; the Mediterranean fruit fly (*Ceratitis capitata*) in fig in baggage from Italy, Palestine, and Portugal, in grape in stores from Portugal, in mango in baggage from Italy and Portugal, in orange in cargo from Algeria, in peach in baggage from Italy, in peach in stores from Portugal, in peach in cargo from the Union of South Africa, in persimmon in baggage from Italy, in plum in stores from Portugal, in ponderosa lemon in baggage from Spain, in pricklypear in baggage from Italy, in quince in baggage from France, Greece, and Italy, in tangerine in baggage from Palestine and Portugal, in tangerine in quarters from Portugal, and in tangerine in stores from Italy, Portugal, and Spain, and *C. capitata* (?) in apple in baggage, origin unknown, in avocado in stores from Australia, in grape in cargo from the Union of South Africa, and in pear in stores from Portugal; *C. rosa* in peach in cargo from the Union of South Africa; *Cylas formicarius* var. in sweetpotato in cargo from Siam; the olive fruit fly (*Dacus oleae*) in olive in baggage from the Azores, Greece, Italy, Portugal, and Spain; the rhododendron whitefly (*Dialeurodes chittendeni*) on leaf of rhododendron in express from England; the West Indian sweetpotato weevil (*Euscepes postfasciatus*) in sweetpotato in baggage from Puerto Rico; the Argentine ant (*Iridomyrmex humilis*) on chrysanthemum in baggage and on plum in stores from Portugal, and in soil around unidentified bulbs and plants in baggage from the Azores; *Kalotermes marginipennis* in suitcase in baggage from Guatemala; East Indian bean pod borer (*Maruca testulalis*) in pigeonpea and string bean in baggage from Puerto Rico and in string bean in cargo from New Zealand; *Monomorium destructor* on *Cattleya* sp. in baggage from Jamaica; the pink bollworm (*Pectinophora gossypiella*) in gin motes in cargo from Brazil, in cottonseed in mail from Hawaii and in baggage from Venezuela; *Rhagoletis cerasi* in cherry in baggage from Czechoslovakia, France, Italy, and Switzerland, and in stores from Portugal.

The more important plant disease organisms found on air-borne material, not believed to be established in the United States, were *Ascochyta citri* on orange in baggage from Italy and the Azores, *A. decipiens* on snapdragon in baggage from England, *Cercospora angraeci* on odontoglossum orchid in express from France, *Coleopsorium dahliae* on dahlia in baggage from Mexico, *Coniothyrium diplodiella* on rose in express from France, *Cytospora lirella* on bamboo in cargo from Mexico, *Elsinoe phaseoli* on lima bean in baggage and cargo from Puerto Rico, *Gloeosporium olivarum* on olive in baggage from Italy, *Phyllosticta cymbidii* on cymbidium orchid in baggage from Japan; *P. odontoglossi* on stanhopea orchids in baggage and cargo from Panama and Costa Rica, *Stagonospora ilicis* on English holly in baggage from England, *Uredo behnickiana* on laelia orchid in cargo from Mexico, and *U. scabies* on vanilla orchid in baggage from Nicaragua.

NOTES ON INSECTS INTERCEPTED

FRUIT FLIES

Anastrepha fraterculus was intercepted in grapefruit from Brazil and in orange from Argentina and Brazil, and *A. fraterculus* (?) in guava from Colombia and in orange from Brazil and Colombia. The Mexican fruit fly (*A. ludens*) was taken in apple, avocado, grapefruit, mango, orange, peach, pear, quince, sapote, sweet lime, undetermined seed, white sapote, and on an open deck near garbage from Mexico, in grapefruit from British Honduras, and in mango and orange from Guatemala. *A. ludens* (?) was found in mango and in orange from Mexico. The West Indian fruit fly (*A. mombinpraeoptans*) was intercepted in guava from Aruba, Cuba, and Puerto Rico, in gallberry (*Ilex glabra*) and rose-apple from Jamaica, in Malay-apple from the Dominican Republic, in mango from the Bahamas, Cuba, the Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Salvador, and Trinidad, in *Spondias* sp. from Nicaragua, and in yellow mombin from Cuba, Nicaragua, PuertoRico, and Salvador, and *A. mombinpraeoptans* (?) in guava from Puerto Rico, in mango from the Canal Zone, Honduras, Mexico, Puerto Rico, and Salvador, and in yellow mombin from Salvador. *A. serpentina* was taken in mamey from Mexico and Salvador, in sapote from Salvador, and in sapodilla from Guatemala, Honduras, Mexico, Nicaragua, and Venezuela, and *A. serpentina* (?) in mamey from Salvador, and in sapodilla from Costa Rica and Venezuela. *A. striata* was found in guava from Costa Rica, Honduras, and Mexico. *A. suspensa* was taken in guava from Cuba and Puerto Rico, and in soil from the Dominican Republic. The Mediterranean fruit fly (*Ceratitis capitata*) was intercepted in apple from Argentina and Italy, in apricot from Algeria (?), in fig from the Azores, Bermuda, Italy, Palestine, and Portugal, in grape from Argentina, Portugal, and the Union of South Africa, in grapefruit from Australia, Brazil, Egypt, and Italy, in loquat from Bermuda and Italy, in mango from Egypt and Hawaii, in orange from Algeria, Argentina, Australia, Brazil, Egypt, Gold Coast, Italy, Palestine, Portugal, Spain, and Syria, in peach from Italy, Morocco, Portugal, and the Union of South Africa, in plum from Portugal, in persimmon and prickly-pear from Italy, in ponderosa lemon from Spain, in pummelo and sweet bell red pepper from Hawaii, in quince from France, Greece, Italy, and Spain, and in tangerine from Algeria, Italy, Palestine, Portugal, and Spain, and *C. capitata* (?) in avocado from Australia and Hawaii, in grape from Argentina and the Union of South Africa, in orange from France, India, Italy (?), and Spain, in pear and plum from Portugal, and in sweet lime from the Azores, in tangerine from the Azores, Italy, and Portugal, and in tomato from Hawaii. *Ceratitis rosa* was found in peach from the Union of South Africa. The melon fly (*Dacus cucurbitae*) was found in cucumber, squash, string bean, sweet bell red pepper, and tomato from Hawaii. The oriental fruit fly (*Dacus dorsalis*) was intercepted in avocado, banana, guava, longan, mango, and papaya from Hawaii, and in mango from the Philippines; and *D. dorsalis* (?) in banana, immature green coconut, and mango from Hawaii. The olive fruit fly (*Dacus oleae*) was taken in olive from the Azores, Greece, Italy, and Portugal. The celery fly (*Euleia heraclei*) was found in celery from England and Ireland, in celeriac from Denmark, and in parsley from France. *Rhagoletis alternata* was intercepted in hips of *Rosa canina* from Sweden. *R. cerasi* was taken in cherry from Czechoslovakia, France, Italy, Portugal, and Switzerland. The apple maggot (*R. pomonella*) was intercepted in apple from Mexico, and *R. pomonella* (?) in apple and thornapple from Mexico. *R. striatella* (?) was taken in husk tomato from Mexico.

INSECTS OTHER THAN FRUIT FLIES

An eriophyid mite, *Aceria tulipae*, was taken on garlic from Mexico. The citrus blackfly (*Aleurocanthus woglumi*) was intercepted on breadfruit leaf from Jamaica, on leaf of *Bryophyllum* sp. from Bermuda, on leaves of *Citrus* sp., orange, and sour lime from Mexico, and leaf of sour lime from Cuba. *Aleurothrixus myrtacei* (Aleyrodidae) was found on gardenia in baggage from Cuba. A curculionid, *Brachyrhinus porcatus*, was taken on turnip from Norway, and *B. sulcatus* (black vine weevil) was intercepted in dahlia tuber from Canada. Two curculionids, *Brachycerus albidentatus* and *B. algirus*, were taken in garlic from Italy. *Bruchidius incarnatus* (Bruchidae), a serious pest, was taken in vetch from Italy. A chrysomelid, *Cassida nebulosa*, recorded as a pest of beets, lambsquarters, and related plants, was taken with moss and forest litter around rhododendron shrubs from the Netherlands. The Asiatic rice borer (*Chilo simplex*) was intercepted in rice straw from China and in service mail arriving at San Francisco,

Calif. *Coptotermes formosanus* (a very injurious termite) was taken with water-nuts from China. The banana root borer (*Cosmopolites sordidus*) was found in banana root from Guatemala. *Cylas formicarius* was intercepted in sweet-potato from the Philippines and the Straits Settlements; and *C. puncticollis* in sweetpotato from Mozambique and Sierra Leone. *Epicaerus cognatus* (Curculionidae) was found in potato and in *Solanum* sp. (wild) from Mexico. The oriental fruit moth (*Grapholitha molesta*) was taken in apple from Japan, in apricot from Italy, and in peach from unknown origin. *Monomorium destructor*, an important economic ant, probably capable of becoming established in the warmer sections of the United States, was intercepted on *Cattleya* sp. plant from Jamaica. The pink bollworm (*Pectinophora gossypiella*) was intercepted in cottonseed from Brazil, British West Indies, Hawaii, Italy, Mexico, St. Kitts, and Venezuela, in cotton boll from Hawaii and Italy, in gin motes from Brazil, in seed cotton from Egypt, and in okra from Cyprus, Dominican Republic, and Puerto Rico. A chrysomelid, *Phyllotreta undulata*, a European species not known to be established in the United States, was found on shrubs from the Netherlands. *Premnotrypes vorax* (Curculionidae) was taken in potato from Ecuador.

SNAILS

Salvaged military equipment was on four occasions found to be contaminated with living giant African snails (*Achatina fulica*). Two of the interceptions were made at San Francisco, Calif., on material from Guam and the Marianas, and two at San Pedro, Calif., on material from the Marianas.

Other interceptions of snails, not known to occur on the mainland of the United States and injurious to agriculture, included *Bradybaena similaris* which was found at Philadelphia, Pa., among string beans from Bermuda, and *Lemellaxis* sp. which was taken at San Diego, Calif., in soil around a potted plant from Algeria.

Correction.—On page 22 of the List of Intercepted Plant Pests for 1947 is found the name *Gnaphalocrocis medinalis* (Guen.), which should have been spelled *Cnaphalocrocis medinalis* and thus would correctly appear on page 15.

NOTES ON DISEASES INTERCEPTED

With reduction in maritime traffic between this country and India and Ceylon, following the end of the recent world conflict, interceptions of citrus canker (*Xanthomonas citri*) have fallen off. In spite of this, India, for the third year, contributed the largest number of interceptions of the disease. The Philippines followed in second place. A disease interception of considerable significance to a well-known material of commerce was a rust, *Uredo scabies*, of the vanilla orchid brought in by an air traveler from Nicaragua. The vanilla cuttings, collected in the wilds of that country, were intended for direct movement from the United States port of entry to Puerto Rico where they were expected to contribute to the vanilla industry of that island. The interception of the rust represents the first record of its occurrence north of South America. A second disease representing a threat to the citrus groves of this country, the sweet orange scab (*Elsinoe australis*), was taken five times on lemon from Argentina, Brazil, and Paraguay, seven times on sweet orange from Argentina and Brazil, and once on an unidentified citrus fruit from Brazil. A second rust of interest, *Coleosporium senecionis*, was intercepted from Argentina on the composite plant *Senecio deferens*. Pines are the alternate hosts of this pathogen and in some parts of the world suffer serious injury from its attack.

Other diseases worthy of note were a stem fungus, *Ascochyta decipiens*, of snapdragon from England; a leaf-infecting fungus, *A. fraxini*, of ash from Italy; the banana leaf spot (*Cercospora musae*) from various countries where it is known; a rust fungus, *Coleosporium dahliae*, of dahlia from Mexico; the black scale fungus (*Colletotrichum lilii*) of various species of lily bulbs from Australia, China, India, and Japan; a virulent wound parasite, *Cryptospora longispora*, of pine from New Zealand; the lima bean scab fungus (*Elsinoe phaseoli*) from Puerto Rico; the spot anthracnose fungus (*Elsinoe piri*) on pear from the Union of Soviet Socialist Republics; a fruit-rotting fungus, *Helminthosporium carposaprum*, of pepper and tomatoes from Mexico; a leaf-rotting fungus, *Heteropatella valtellinensis*, of carnation from Canada; a brown rot fungus, *Monilinia fructigena*, of apple from Sweden; a leaf blight fungus, *Mycosphaerella hondai*, of rice from China and Japan; citrus black spot (*Phoma citricarpa*) from Australia, China, India, Spain, and the Union of South Africa, on various citrus fruits including lemon, grapefruit, mandarin orange, and sweet orange; a stem canker fungus, *Phomopsis magnoliae*, on magnolia from the Netherlands; a leaf fungus, *Phyllachora balansae*, on *Cedrela* sp.

from Panama; a leaf fungus, *Phyllachora cynodontis*, of Bermuda grass from India; a branch knot-forming fungus, *Plowrightia virgultorum*, on European white birch from Sweden; a rust fungus, *Puccinia longicornis*, on bamboo from China; a twig fungus, *Sclerotinia kerneri*, on silver fir from Germany; a leaf spot fungus, *Septoria arethusa*, on lemon from Argentina; a leaf blotch fungus, *Septoria cercosporiodes*, on chrysanthemum from Mexico; a leaf blotch fungus, *Septoria posekensis*, on cymbidium and cypripedium orchids from India; the Australian citrus scab fungus (*Sphaceloma fawcettii scabiosa*) on lemon from Australia; a smut fungus, *Sphacelotheca trachypogonis*, of crinkleawn grass from Brazil; a rust fungus, *Sphenospora kevorkianii*, on stanhopea orchid from Ecuador; a rust fungus, *Thecopsora areolata*, on the European birdcherry from Finland; a rust fungus, *Uredo ignava*, on bamboo from China, and an unknown source; a rust fungus, *Uromyces bacumerlianus*, on sweet clover from Egypt; and a smut fungus, *Ustilago kenjiana*, on sorghum from Arabia.

Nematodes of interest for the year were *Aphelenchoides bicaudatus* in dasheen tubers from Cyprus; *A. parietinus* in lily bulb from England; *A. ritzemabosi* in garlic from Mexico; *A. subtenuis* in narcissus bulb from the Netherlands; *Ditylenchus dipsaci* in garlic from Mexico, colchicum from the Netherlands, narcissus from England, and Star-of-Bethlehem from the Netherlands; *D. iridis* in colchicum, crocus, iris, and tigridia from the Netherlands, and in iris from England; and *Pratylenchus scribneri* in potato tubers from Mexico.

Of the 1,157 species of pathogens or other organisms listed in the table, 60 were new to the interception files. Interceptions of the other 1,097 pathogens showed 117 new countries of origin and 102 new hosts.

COMMON PESTS INTERCEPTED

Beginning with the year covered by this report the keeping of records on the various insects and plant diseases reported under this heading has been discontinued. Those insects and diseases were, in nearly all instances, widely distributed in the regions in this country favorable to their existence, and in many cases the interception records compiled through the years showed the same pests to be of almost universal occurrence in countries from which certain plants and plant products come to this country. The discontinuance of the records on these common pests considerably reduces the total number of pests reported in the list, but it is believed this compilation will be of even more use in its present form.

INCOMPLETELY DETERMINED PESTS

Frequently inspectors find insects or pathogens affecting plant material in such a stage or condition that complete and accurate determination is impracticable or impossible. Some of these insects and pathogens are without doubt new to science, and may be destructive pests. The notes below are given to show the general nature of such incompletely determined interceptions.

INSECTS

Among the incompletely determined insects intercepted were the following fruit flies: *Anastrepha* sp., probably *fraterculus*, at New York, N. Y., in grapefruit in stores from Brazil, at Baltimore, Md., in orange in quarters and stores from Brazil, at Mobile, Ala., in baggage from Brazil, at New York in stores from Brazil, at Miami, Fla., in coffee berries in baggage from Colombia, and at the National Airport, Arlington, Va., in guava in baggage from Peru; *Anastrepha* sp., probably *mombinpraeoptans*, at New York in guava in baggage from Puerto Rico, at New Orleans, La., in mango in baggage from Guatemala, at Galveston, Tex., in mango in quarters from Guatemala, at Brownsville, Tex., in mango in express from Salvador, and at El Paso, Tex., in mango in baggage from Salvador; *Anastrepha* sp., probably *serpentina*, at New Orleans, La., in sapodilla in baggage from Venezuela; *Anastrepha* sp., possibly *striata*, at Laredo, Tex., in guava in baggage from Mexico; *Anastrepha* sp., probably *suspensa*, at Miami, Fla., in guava in baggage from Puerto Rico, and at New York in paper wrapping of guavas, cashew, and gooseberries in stores from the Dominican Republic; *Anastrepha* sp. at New Orleans, La., in sapodilla in baggage from Costa Rica and in almond and orange in quarters from Guatemala, at New York in sapodilla in baggage from Puerto Rico, in grapefruit and orange in stores and in peach and guava in baggage from Brazil, in mango in baggage from Dutch Guiana and Guatemala, in *Spondias* sp. in baggage from Trinidad, in guava in baggage and mail from Puerto Rico and in guava in baggage from Venezuela, at San Antonio,

Tex., in mango in baggage from Guatemala, at Charleston, S. C., in guava in baggage from Dutch Guiana, at Brownsville, Tex., mango and quince in baggage from Mexico, at Miami, Fla., in genip and quince in baggage from Peru and in mango in baggage from Colombia and Jamaica, at the National Airport, Arlington, Va., in orange in baggage from Brazil, at San Juan, P. R., in orange in baggage from Brazil, at Seattle, Wash., in mango in stores from Peru, at Boston, Mass., in orange in stores from Brazil, at El Paso, Tex., in mango and guava in baggage from Mexico and in guava in baggage from Salvador, at Baltimore, Md., in orange in stores and in plum in quarters from Brazil and in grapefruit in stores from Trinidad, at Mobile, Ala., in orange in baggage from Brazil, at Galveston, Tex., in orange in stores and quarters from Brazil, at Philadelphia, Pa., in pummelo in stores from Brazil and in grapefruit in stores from Argentina; probably *Anastrepha* sp. at Norfolk, Va., in orange in stores from Argentina, and a pupa of *Anastrepha* sp. in a bag of fruit from British Honduras; *Ceratitis* sp. at New York in orange in stores, and in grape in cargo from the Union of South Africa; *Ceratitis* sp. (?) at New York in apple in stores from the Union of South Africa; *Dacus* sp. at New York in cucumber in stores from the Union of South Africa; *Dacus* sp. (?) at Honolulu, T. H., in fruit of *Ficus* sp. in baggage from the Philippines and in mango in baggage from India; *Rhagoletis* sp. at Hidalgo, Tex., in black walnut in baggage, at El Paso, Tex., in *Lycium berlandieri* and *Lycium* sp. in baggage from Mexico; *Rhagoletis* sp. (?) at Washington, D. C., in fruit of *Solanum* sp. in mail from Mexico. Eight interceptions which could not be identified beyond family (Tephritidae) were taken at Boston, Mass., in coconut in baggage from Liberia, at El Paso, Tex., in *Lycium* sp. in baggage from Mexico, at San Pedro, Calif., in coffee berry in baggage from Hawaii, and at New York in orange in stores from Brazil and in grape in cargo from Argentina.

The following miscellaneous insects of special interest were intercepted: *Aleurocanthus* sp. (Aleyrodidae), apparently undescribed, on bamboo leaf in stores from India or China; Aleurodicinae (Aleyrodidae), new genus and new species, near *Aleurodicus*, at Laredo, Tex., on *Laelia majalis* and *Laelia* sp. from Mexico; *Aleuroplatus* sp., near *variegatus* Q. & B., (Aleyrodidae) at San Francisco, Calif., on *Philodendron* sp. in air express from Guatemala; *Aleurotrachelus* sp. (Aleyrodidae), apparently undescribed, at Miami, Fla., on *Anthurium* sp. leaf in cargo from Colombia; *Aximogastra* (new) sp. (Eurytomidae) at Laredo, Tex., on orchid and philodendron in cargo from Mexico; probably an undescribed coccid, *Conchaspis* sp., at Hoboken, N. J., on *Xylobium* sp. (orchid) in mail from the Canal Zone; two curculionids, *Conotrachelus* sp., near *carinifer* Csy., and *Conotrachelus* sp., near *naso* Lec., at Brownsville, Tex., on *Laelia* sp. in cargo from Mexico; *Hololepta* sp. (Histeridae), not native to the United States, at Brownsville, Tex., on *Laelia majalis* in cargo from Mexico; *Leptispa* sp., probably *godwini* Baly (Chrysomelidae), probably capable of becoming a pest in this country if it could establish itself on a suitable host, at New York on bamboo in stores from India or China; *Meibomeus* sp. (Bruchidae), probably new species, at Washington, D. C., in *Desmodium* sp. in mail from Argentina; *Parallelodiplosis* sp. (Itonididae) at Brownsville, Tex., on orchid plant in cargo from Salvador; probably an undescribed species of *Stephanoderes* sp. (Scolytidae) at Nogales, Ariz., in *Acacia cochliacantha* in baggage from Mexico; an interesting and rare mite, *Zercon* sp., at Hoboken, N. J., on magnolia branch in cargo from the Netherlands.

There were 3,559 interceptions distributed among 852 genera, which could be identified to genus only. A total of 111 could be determined to family only.

A total of 3,670 incompletely determined insects were intercepted during the year.

DISEASES

Among the incompletely determined plant disease organisms collected from incoming material during the year were *Cercospora* sp. on euonymus from Japan; *Cercospora* sp. on avocado from Mexico; *Curvularia* sp. on onion from Mexico; *Cytospora* sp. on camellia from Australia; *Cylindrosporium* sp. on rose from the Netherlands; *Gnomonia* sp. on willow from England; *Graphiola* sp. on palm from the Fiji Islands; *Helminthosporium* sp. on rice from China, and Japan; *Helminthosporium* sp. on rye from India; "Leprosis" on sweet orange from Mexico; *Pestalotia* sp. on sorghum from Liberia; *Ozonium* sp. on licorice stem from Turkey; *Phoma* sp. on sweet orange from Brazil; *Phoma* sp. on apple from Greece; *Phyllachora* sp. on grass from China; *Phyllosticta* sp. on lily bulb from Australia; *Phyllosticta* sp. on narcissus from Ireland; *Phyllosticta* sp. on avocado from Mexico; *Septoria* sp. on anthurium from Belgium; *Sphaeropsis* sp. on lemon from Italy, and *Sphenospora* sp. on *Odontoglossum cervantes* (orchid) from Mexico.

Nematode interceptions of interest were *Aphelenchoides* sp. in lily bulbs from Mexico and the Netherlands; *Aphelenchoides* sp. in potato tuber from Mexico; *Aphelenchoides* sp. in roots of unidentified vine growing on war equipment returned from Okinawa; *Aphelenchus* sp. in garlic and onion from Mexico; *Metaphelenchus* sp. in potato tuber from Mexico; *Pratylenchus* sp. and *Tylenchus* sp. in dasheen tuber from Cyprus; *Tylenchus* sp. in soil with orchid from British Guiana; and *Tylenchus* sp. in potato from France.

A total of 285 incompletely determined pathogens were recorded during the year.

Geographic summary of interceptions listed in main table and interception totals

Country	Insect	Disease
	Number	*Number*
Africa:		
Algeria	3	0
Anglo-Egyptian Sudan	1	0
Belgian Congo	1	0
Cameroons	2	0
Canary Islands	0	1
East Africa	1	0
Egypt	9	2
French Equatorial Africa	2	0
French West Africa	1	0
Gold Coast	5	0
Liberia	0	1
Morocco	3	3
Mozambique	1	0
Pretoria	0	1
Sierra Leone	4	0
Tunisia	0	2
Union of South Africa	12	3
Asia:		
Arabia	0	1
China	13	64
Cyprus	3	1
Formosa	1	0
India	33	37
Iran	1	0
Iraq	1	0
Japan	59	27
Korea	1	0
Lebanon	3	0
Malaysia	1	1
Palestine	7	0
Siam	3	0
Straits Settlements	2	0
Syria	1	0
Australasia:		
Australia	13	10
Guam	14	1
Hawaii	137	1
Marianas	4	0
New Zealand	1	6
Okinawa	0	2
Philippines	48	3
Saipan	1	0
South Pacific	1	0
Tahiti	5	0
Europe:		
Azores	9	5
Belgium	19	20
Czechoslovakia	2	0
Denmark	4	0
England	58	13
Finland	2	2
France	32	9
Germany	19	2
Greece	3	2
Hungary	2	0
Ireland	5	2
Italy	257	18
Netherlands	79	521
North Ireland	1	0
Norway	4	1
Poland	1	0
Portugal	45	7
Scotland	1	0
Spain	10	3
Sweden	13	3
Switzerland	4	0
Turkey	2	0
Union of Soviet Socialistic Republics	0	3
Wales	1	0
North America:		
Bermuda	9	7
Canada	9	5
British Columbia	0	1
Central America	2	0
British Honduras	6	0
Canal Zone	46	4
Costa Rica	96	43
Guatemala	56	46
Honduras	17	7
Nicaragua	12	5
Panama	17	10
Salvador	28	0
Mexico	1,273	172
West Indies	1	0
Aruba	1	0
Bahamas	17	0
Barbados	6	0
British West Indies	4	0
Cuba	44	17
Curacao	2	0
Dominica	1	2
Dominican Republic	10	7
Haiti	7	1
Jamaica	31	0
Leeward Islands	2	0
Martinique	1	0
Montserrat	1	0
Puerto Rico	226	4
St. Kitts	2	0
St. Lucia	0	1
St. Vincent	2	0
Trinidad	15	2
Virgin Islands	9	0
South America:		
Argentina	78	10
Brazil	77	16
British Guiana	8	0
Chile	4	1
Colombia	69	3
Ecuador	4	7
French Guiana	1	1
Netherlands Guiana	2	2
Paraguay	0	1
Peru	7	1
Venezuela	136	2
Total:		
Africa	45	13
Asia	129	131
Australasia	224	23
Europe	573	611
North America	1,953	334
South America	386	44
Unknown	21	1
Total	3,331	1,157
Total incompletely determined pests, pp. 6, 7)	3,670	285
Total insect interceptions	7,001	
Total disease interceptions		1,432
Grand total		8,433

NOTE.—In addition to the countries named above, interceptions were made from Antigua, Austria, Batavia, Bikini Island, Ceylon, Christmas Island, Fiji Islands, Gibraltar, Java, Kwajalein Island, Madagascar, Madeira Islands, Manu Island, Midway Island, Nova Scotia, Solomon Islands, Spanish Morocco, Surinam, Tasmania, Transvaal, Uruguay, West Africa, and Yugoslavia.

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Acalypta mera Drake (Tingidae):					
Primula sp.	Canada			1	Wash.
Acalypta musci (Schrank) (Tingidae):					
Crataegus sp.	Germany			1	N. J.
Acalypta nyctalis Drake (Tingidae):					
Dryopteris sp. (fern)	Canada	1			Mass.
Acalypta platychila (Fieb.) (Tingidae):					
Lavandula sp.	England			1	N. J.
Acanthoderes circumflexa Duv. (Cerambycidae):					
Wooden slats	Mexico	1			Tex.
Acanthoscelides armitagei (Pic.) (Bruchidae):					
Cajanus cajan (pigeonpea)	Canal Zone, St. Vincent	3			Ala., N. Y.
Phaseolus sp. (bean)	Argentina			1	D. C.
Acanthoscelides quadridentatus (Schaef.) (Bruchidae):					
Rosa sp.	Mexico	1			Tex.
Aceria tulipae (Keif.) (Eriophyidae):					
Allium sativum (garlic)	do	1			Ariz.
Achatina fulica (Fer.) (Mollusca):					
Returned military equipment	Guam, Marianas	4			Calif.*
Acroleucus vicinalis Dist. (Lygaeidae):					
Laelia sp. (orchid)	do			1	Tex.
Orchid	do			6	Tex.
Acrolophus superstes Wlsm. (Acrolophidae):					
Orchid	Mexico			1	Tex.
Agroiconota propinqua (Boh.) (Chrysomelidae):					
Bean	do	1			Ariz.
Agromyza virens Loew (Agromyzidae):					
Phaseolus vulgaris var. (string bean)	do	7			Ariz.
Alcaeorrhynchus grandis (Dallas) (Pentatomidae):					
Orchid	do			1	Tex.
Aleurocanthus woglumi Ashby (Aleyrodidae):					
Artocarpus altilis (breadfruit)	Jamaica	1			Fla.*
Bryophyllum sp.	Bermuda			1	Mass.
Citrus aurantifolia (sour lime)	Cuba, Mexico	12			Ariz., Calif.,* Fla.,* Tex.
Citrus sinensis (orange)	Mexico	3			Ariz., Tex.
Citrus sp.	do	3			Ariz., Tex.
Gardenia augusta (gardenia)	do			1	Ariz.
Aleuroglandulus emmae Russell (Aleyrodidae):					
Persea americana drymifolia (?)	do	1			Ariz.
Aleuroparadoxus gardeniae Russell (Aleyrodidae):					
Gardenia augusta (gardenia)	do	1			Ariz.
Aleurothrixus floccosus (Mask.) (Aleyrodidae):					
Citrus sp.	Puerto Rico	1			Fla.*
Aleurothrixus myrtacei Bondar (Aleyrodidae):					
Gardenia augusta (gardenia)	Cuba	1			Fla.*
Aleurotrachelus citri Priesner & Hosny (Aleyrodidae):					
Citrus sinensis (orange)	Palestine		1		Calif.*
Aleurotrachelus trachoides (Back) (Aleyrodidae):					
Pimenta racemosa (bay-rum tree)	Bahamas			1	Fla.
Aleurotuberculatus aucubae (Kuwana) (Aleyrodidae):					
Citrus sp.	Japan			1	Wash.
Plant	do			1	Wash.
Algarobius prosopis (Lec.) (Bruchidae):					
Prosopis sp. (mesquite)	Mexico	1			Tex.
Allantus cinctus (L.) (Tenthredinidae):					
Kerria japonica (kerria)	Netherlands			1	N. J.
Rosa multiflora (Japanese rose)	do			2	N. Y.
Rosa sp. (rose)	England, Netherlands	1		1	N. J., N. Y.
Alpheias conspirata Hein. (Galleriidae):					
Ananas comosus (pineapple)	Mexico	20			Tex.
Orchid	do			1	Tex.
Amorbia emigratella Busck (Tortricidae):					
Chrysanthemum sp.	do	1			Tex.

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive—Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Amphicerus cornutus (Pallas) (Bostrichidae):					
Bamboo	do	1			Mass.
Spondias sp. (?)	Venezuela	2			N. Y.
Wood	Mexico	3			Ariz.
Amyssonotum rastratum flexum McA. & Mall. (Pentatomidae):					
Cattleya sp. (orchid)	Canal Zone			1	Tex.
Wooden slat	Mexico	1			Tex.
Anastrepha fraterculus (Wied.) (Tephritidae):					
Citrus paradisi (grapefruit)	Brazil		1		N. Y.
Citrus sinensis (orange)	Argentina, Brazil	1	1		Ala., La.
Anastrepha fraterculus (Wied.) (?) (Tephritidae):					
Citrus sinensis (orange)	Brazil, Colombia		2		Ala., La.
Psidium guajava (guava)	Colombia	1			Fla.*
Anastrepha ludens (Loew) (Tephritidae):					
Casimiroa edulis (white sapote)	Mexico	1			Tex.
Citrus aurantifolia (sweet lime)	do	10			Tex.
Citrus paradisi (grapefruit)	British Honduras, Mexico.	14	3		Tex.
Citrus sinensis (orange)	Guatemala, Mexico, Unknown.	91	20		Ill., La., N. Y., Tex.
Cydonia oblonga (quince)	Mexico	1			Tex.
Malus sylvestris (apple)	do	4			Tex.
Mangifera indica (mango)	Guatemala, Mexico	38	3		Ariz., Calif.,* La., Tex.
Persea americana (avocado)	Mexico	4			Tex.
Prunus persica (peach)	do	1			Tex.
Pyrus communis (pear)	do	7			Tex.
Sapote	do		1		Tex.
Seed	do	1			Tex.
On open deck near garbage	do		1		Tex.
Anastrepha ludens (Loew) (?) (Tephritidae):					
Citrus sinensis (orange)	do	1	1		Tex.
Mangifera indica (mango)	do	2			Tex.
Anastrepha mombinpraeoptans Sein (Tephritidae):					
Eugenia jambos (rose-apple)	Jamaica	1			Fla.*
Eugenia malaccensis (Malay-apple)	Dominican Republic	1			P. R.
Ilex glabra (gallberry)	Jamaica	1			Fla.*
Mangifera indica (mango)	Bahamas, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Salvador, and Trinidad.	156	8		Calif.,* Fla.,* La., N. Y., Md., Pa., P. R., Tex., Va.
Psidium guajava (guava)	Aruba, Cuba, Puerto Rico.	29	1		Fla.,* N. Y., Pa., S. C., Va.
Spondias mombin (yellow mombin)	Cuba, Nicaragua, Puerto Rico, Salvador.	9			Calif.,* Fla., La., N. Y., Pa., Tex.
Spondias sp. (mombin)	Nicaragua	1			La.
Anastrepha mombinpraeoptans Sein (?) (Tephritidae):					
Mangifera indica (mango)	Canal Zone, Honduras, Mexico, Puerto Rico, Salvador.	8			Ala., Calif. La., N. Y., Tex.
Psidium guajava (guava)	Puerto Rico	1			N. Y.
Spondias mombin (jobo)	Salvador	1			Tex.
Anastrepha serpentina (Wied.) (Tephritidae):					
Achras zapota (sapodilla)	Guatemala, Honduras, Mexico, Nicaragua, Venezuela.	6	1		Calif.,* La., N. Y.
Calocarpum sapota (sapote)	Salvador	1			La.
Mammea americana (mamey)	Mexico, Salvador	4			Tex.
Anastrepha serpentina (Wied.) (?) (Tephritidae):					
Achras zapota (sapodilla)	Costa Rica, Venezuela	4			La.
Calocarpum sapota (sapote)	Unknown	1			N. Y.
Mammea americana (mamey)	Salvador	1			Tex.
Anastrepha striata Schiner (Tephritidae):					
Psidium guajava (guava)	Costa Rica, Honduras, Mexico.	3	1		Ariz., La.

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive—Continued

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nomenclature	Propagation	
Anastrepha suspensa (Loew) (Tephritidae):					
Psidium guajava (guava)	Cuba, Puerto Rico	16			Fla.*, N. Y.
Soil	Dominican Republic	1			P. R.
Ancylostomia stercorea (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Panama, Puerto Rico	2			N. Y.
Anelaphus truncatus (Hald.) (Cerambycidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Anthonomus albolineatus Champ. (Curculionidae):					
Orchid	do			4	Tex.
Anthonomus baridioides Champ. (Curculionidae):					
Orchid	do			1	Tex.
Antonina graminis (Mask.) (Coccidae):					
Gramineae	Guam	1			Calif.*
Anuraphis helichrysi (Kltb.) (Aphidae):					
Chrysanthemum sp	England			3	N. J., Wash.
Dianthus sp. (carnation)	Mexico	1			Tex.
Aonidiella citrina (Coq.) (Coccidae):					
Citrus paradisi (grapefruit)	Straits Settlement		1		Wash.
Jasminum sambac (Arabian jasmine)	Mexico	1			Tex.
Jasminum sp. (jasmine)	do	2			Tex.
Rosa sp. (rose)	do	1			Tex.
Syringa sp	do	1			Tex.
Aonidiella inornata McKenzie (Coccidae):					
Carica papaya (papaya)	Hawaii		1		Wash.
Cocos nucifera (coconut)	Philippines	4	3		Calif.*
Cutting	Hawaii			1	Calif.*
Aphis medicaginis Koch (Aphidae):					
Chrysanthemum sp	Portugal	1			Mass.
Apion carduorum Kirby (Curculionidae):					
Cynara cardunculus (cardoon)	Italy			1	N. Y.
Apion craccae (L.) (Curculionidae):					
Vicia sp. (vetch)	France	1			N. Y.
Apion flavipes Payk. (Curculionidae):					
Crataegus sp. with woods moss	Germany			1	N. J.
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Apion godmani Wgnr. (Curculionidae):					
Phaseolus vulgaris var. (string bean)	Mexico	1			Ariz.
Apion pomonae (F.) (Curculionidae):					
Vicia sp. (vetch)	France	2			N. Y.
Artelius albopunctatus (Deg.) (Pentatomidae):					
Lycopersicon esculentum (tomato)	Mexico	3			Tex.
Aspidiotus coryphae Ckll. & Rob. (Coccidae):					
Cocos nucifera (coconut)	Philippines	2	1		Calif.*
Aspidiotus cryptomeriae Kuw. (Coccidae):					
Cryptomeria sp	Japan			1	Wash.
Aspidiotus degeneratus (Leon.) (Coccidae):					
Camellia sp	do			3	Wash.
Aspidiotus destructor Sign. (Coccidae):					
Annona sp	Puerto Rico	1			N. Y.
Cocos nucifera (coconut)	Colombia, Costa Rica, Guam, Mexico, Philippines, Salvador, Trinidad.	2	8		Calif.*, Tex.
Leaf	Jamaica		1		Fla.*
Livistona chinensis (Chinese fan palm)	Bahamas	1			N. Y.
Musa paradisiaca (plaintain)	Puerto Rico	1			N. Y.
Musa paradisiaca sapientum (banana)	Costa Rica, Guatemala, Hawaii, Mexico, Panama.	32			Calif.*
Palmaceae	China			1	Calif.*
Palm	Cuba		1		Tex.
Persea americana (avocado)	Canal Zone			1	Tex.
Spondias cytherea (vi-apple)	Puerto Rico	1			N. Y.
Aspidiotus diffinis Newst. (Coccidae):					
Cydonia sp	Japan			1	Calif.*
Plumeria sp	Mexico			1	Tex.
Aspidiotus excisus Green (Coccidae):					
Citrus sinensis (orange)	Philippines		1		Calif.*
Aspidiotus herculeanus Ckll. & Hadd. (Coccidae):					
Plumeria sp	Canal Zone	1			Fla.*
Spondias mombin (jobo)	Puerto Rico	1			Fla.*

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive—Continued

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		Consumption	Nonentry	Propagation	
Aspidiotus palmae (Ckll.) (Coccidae):					
Citrus sinensis (orange)	Costa Rica		1		Calif.*
Musa paradisiaca sapientum (banana)	Costa Rica, Guatemala, Panama.	10			Calif.*
Philodendron sp.	Guatemala			1	Calif.*
Aspidiotus spinosus (Comst.) (Coccidae):					
Cocos nucifera (coconut)	Guam	1			Calif.*
Mammea americana (mamey)	Jamaica		1		Fla.*
Musa paradisiaca sapientum (banana)	Nicaragua	1			Calif.*
Persea americana (avocado)	Hawaii		1		Calif.*
Aspidiotus subchortinus Laing (Coccidae):					
Anonopus compressus (carpet grass)	Bermuda	1			Ariz.
Asterolecanium bambusae (Bdv.) (Coccidae):					
Bamboo	Unknown		1		N. Y.
Asterolecanium epidendri (Bouche) (Coccidae):					
Cattleya granulosa (orchid)	Brazil			1	Calif.*
Cattleya sp.	Brazil, Venezuela			3	Calif.* N. J.
Epidendrum sp. (orchid)	Canal Zone			1	Fla.
Laelia sp. (orchid)	Brazil			1	N. J.
Orchid	do			1	P. R.
Asterolecanium pustulans (Ckll.) (Coccidae):					
Achras zapota (sapodilla)	Bahamas	1			N. Y.
Codiaeum sp. (croton)	Mexico			1	Tex.
Morus sp. (mulberry)	Bahamas			2	Fla., Tex.
Orchid	British Guiana			1	N. J.
Plant	Guam	1			Calif.*
Attelabus corvinus Gyll. (Curculionidae):					
Orchid	Mexico			2	Tex.
Aulacaspis cinnamomi Newst. (Coccidae):					
Mangifera indica (mango)	Venezuela	1			N. Y.
Autoserica castanea (Arr.) (Scarabaeidae):					
Cattleya sp. (orchid)	Colombia			1	N. J.
Barathra brassicae (L.) (Phalaenidae):					
Apium graveolens (celery)	Netherlands		1		Tex.
Brassica sp. (mustard)	Italy	1			Ill.
Barypeithes pellucidus (Boh.) (Curculionidae):					
Rhododendron sp.	Netherlands			1	Wash.
Bembecia marginata (Harris) (Aegeriidae):					
Rubus sp. (raspberry)	Canada			1	Mass.
Berecynthus delirator (F.) (Pentatomidae):					
Orchid	Mexico			1	Tex.
Borozylon stephegynis Hopk. (Scolytidae):					
Log	Philippines	1			Va.
Bostrychoplites cornutus (Oliv.) (Bostrichidae):					
Poga oleosa (?) ("nagallion")	Cameroons	1			N. Y.
Brachyacma palpigera (Wlsm.) (Gelechiidae):					
Legume pod	Barbados	1			Fla.*
Brachycerus albidentatus Gyll. (Curculionidae):					
Allium sativum (garlic)	Italy	2			N. Y.
Brachycerus algirus (F.) (Curculionidae):					
Allium sativum (garlic)	do	2			N. Y.
Brachyrhinus porcatus (Hbst.) (Curculionidae):					
Brassica rapa (turnip)	Norway		1		N. Y.
Brachyrhinus sulcatus (F.) (Curculionidae):					
Dahlia sp.	Canada			1	N. J.
Bradybaena similaris (Fer.) (Mollusca):					
Phaseolus vulgaris var. (string bean)	Bermuda		1		Pa.
Brentus anchorago L. (Brentidae):					
Spondias sp. (?)	Venezuela	1			N. Y.
Bruchidius gilvus (Gyll.) (Bruchidae):					
Hedysarum sp.	Italy			1	N. Y.
Bruchidius incarnatus (Boh.) (Bruchidae):					
Vicia sativa (vetch)	do			1	D. C.
Bruchus brachialis (Fahr.) (Bruchidae):					
Vicia villosa (hairy vetch)	Poland			1	N. Y.
Vicia sp.	Greece	1			Fla.*
Bruchus dentipes Baudi (Bruchidae):					
Vicia faba (broadbean)	Iran, Lebanon	1		1	N. Y., Pa.
Bruchus emarginatus Allard (Bruchidae):					
Pisum sativum (pea)	India			1	D. C.
Bruchus ervi Froel. (Bruchidae):					
Lens culinaris (lentil)	Italy, Lebanon	8		9	N. J., N. Y.

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive—Continued

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Bruchus guttalis Rey (Bruchidae):					
Vicia sp. (vetch)	France, Portugal	9			N. Y., Pa.
Bruchus lentis Froel. (Bruchidae):					
Lens culinaris (lentil)	Italy	7		10	N. J., N. Y., Ohio.
Bruchus luteicornis Ill. (Bruchidae):					
Vicia sp. (vetch)	France, Italy, Netherlands, service mail.	7		1	D. C., Mass., N. Y., Wash.
Bruchus rufipes Hbst. (Bruchidae):					
Vicia faba (broadbean)	Italy	1			N. Y.
Vicia sativa (vetch)	do	1		1	D. C., Ga.
Bruchus signaticornis Gyll. (Bruchidae):					
Lens culinaris (lentil)	do	10		12	N. J., N. Y., Ohio, Pa.
Bruchus tristiculus Fahr. (Bruchidae):					
Lathyrus odoratus (sweet pea)	Portugal			2	Mass., N. Y.
Vicia sativa (vetch)	do	1			Pa.
Bruchus tristis Boh. (Bruchidae):					
Bean	France	1			N. Y.
Bruchus ulicis Muls. (Bruchidae):					
Lens culinaris (lentil)	Italy			2	N. Y.
Cactobrosis longipennella (Hamps.) (Phycitidae):					
Cereus sp. (cactus)	Mexico			1	Tex.
Calligrapha diversa Stal (Chrysomelidae):					
Laelia majalis (orchid)	do			2	Tex.
Orchid	do			1	Tex.
Calligrapha felina Stal (Chrysomelidae):					
Orchid	do			1	Tex.
Calligrapha limbaticollis Stal (Chrysomelidae):					
Orchid	do			1	Tex.
Calligrapha multipustulata Stal (Chrysomelidae):					
Musa paradisiaca sapientum (banana)	do	1			Calif.*
Calligrapha notatipennis Stal (Chrysomelidae):					
Orchid	do			1	Tex.
Callirhytis sonorae Weld (Cynipidae):					
Quercus sp. (oak)	do	3			Ariz.
Callispa duodecimmaculata Chap. (Chrysomelidae):					
Aerides quinquevulnera (orchid)	Philippines			1	Hawaii.*
Callosobruchus analis (F.) (Bruchidae):					
Pisum sativum (pea)	India			1	D. C.
Callosobruchus chinensis (L.) (Bruchidae):					
Bean	Philippines	1			Calif.*
Cajanus cajan (pigeonpea)	Bahamas, British Guiana, British West Indies, Jamaica, Puerto Rico.	5		1	Fla.,* N. J., N. Y.
Cicer arietinum (chickpea)	India		1		N. Y.
Grain—mixed	do		1		Mass.
Lathyrus sp.	do			1	D. C.
Phaseolus aureus (mung bean)	China	1		1	Mo., N. J.
Phaseolus sp. (bean)	India, Italy			2	D. C., Mass.
Pisum sativum (pea)	India			1	D. C.
Vicia sativa (vetch)	do			1	N. J.
Vigna sp.	do			2	D. C.
Callosobruchus maculatus (F.) (Bruchidae):					
Bean	British West Indies, Curacao, Cyprus.	2		1	Mich., N. Y.
Cajanus cajan (pigeonpea)	Bahamas	1			Fla.*
Cicer arietinum (chickpea)	Mexico	2			Tex.
Hibiscus esculentus (okra)	Cyprus			1	Mich.
Phaseolus vulgaris (kidney bean)	Venezuela			1	D. C.
Pinus sp. (pine)	Mexico	2			Tex.
Pisum sativum (pea)	Egypt			1	N. Y.
Vigna sinensis (cowpea)	Costa Rica			3	D. C.
Vigna sp.	Jamaica			1	N. J.
Callosobruchus phaseoli (Gyll.) (Bruchidae):					
Bean	British West Indies, Jamaica.	1		1	N. J., N. Y.
Camirus conicus (Germ.) (Pentatomidae):					
Orchid	Mexico			1	Tex.
Cardioscarta miniaticeps (Fowl.) (Cicadellidae):					
Coriandrum sativum (coriander)	Panama	1			N. Y.

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Carposina sasakii Mats. (Carposinidae):					
Malus sylvestris (apple)	Japan		1		Oreg.
Caryedon fuscus (Goeze) (Bruchidae):					
Cassia sieberiana	Sierra Leone	1			N. Y.
Cassia sp	Brazil, India	1		1	N. J., Wash.
Tamarindus sp	France			2	D. C.
Caryoborus serripes (Sturm) (Bruchidae):					
Palm	Brazil	1			Va.
Cassida flaveola Thunb. (Chrysomelidae):					
Soil with assorted plants	England			1	N. Y.
Cassida nebulosa L. (Chrysomelidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Cassida nobilis L. (Chrysomelidae):					
Moss and forest litter around rhododendron	do			3	N. J.
Cassida vittata Villers (Chrysomelidae):					
Beta vulgaris (beet)	Egypt		1		N. Y.
Caulophilus latinasus Say (Curculionidae):					
Orchid	Mexico			3	Tex.
Persea americana (avocado)	do	2			Tex.
Celerio lineata (F.) (Sphingidae):					
Portulaca oleracea (purslane)	do	3			Tex.
Ceratitis capitata (Wied.) (Tephritidae):					
Capsicum frutescens grossum (sweet bell red pepper).	Hawaii		2		Calif.*
Citrus aurantium (pummelo)	do	1			Calif.*
Citrus limon var. ponderosa	Spain	1			N. Y.
Citrus paradisi (grapefruit)	Australia, Brazil, Egypt, Italy.		7		Calif.,* La., N. Y., Pa., Va.
Citrus reticulata (tangerine)	Algeria, Italy, Palestine, Portugal, Spain, unknown.	14	10		Md., Mass., N. Y.
Citrus sinensis (orange)	Algeria, Argentina, Australia, Brazil, Egypt, Gold Coast, Italy, Palestine, Portugal, Spain, Syria, unknown.	19	16		Calif.,* Fla.,* Md., Mass., N. Y., Pa., P. R., Tex., Va.
Cydonia oblonga (quince)	France, Greece, Italy, Spain.	5			N. Y.
Diospyros sp. (persimmon)	Italy	3			N. Y.
Eriobotrya japonica (loquat)	Bermuda, Italy	2			Md., N. Y.
Ficus carica (fig)	Azores, Bermuda, Italy, Palestine, Portugal.	7			Md., Mass., N. Y.
Malus sylvestris (apple)	Argentina, Italy	7	2		N. Y.
Mangifera indica (mango)	Egypt, Hawaii	2			Calif.*, N. Y.
Opuntia compressa (pricklypear)	Italy	5			N. Y.
Prunus armeniaca (apricot)	Algeria (?)		1		Md.
Prunus domestica (plum)	Portugal		1		Mass.
Prunus persica (peach)	Italy, Morocco, Portugal, Union of South Africa.	3	5		Mass., N. Y.
Pyrus communis (pear)	Italy, Spain	3			N. Y.
With provisions containing oranges, apples, and tangerines.	Italy	1			N. Y.
Vitis sp. (grape)	Argentina, Portugal, Union of South Africa.	38	1		Ill., Mass., La., N. Y.
Ceratitis capitata (Wied.) (?) (Tephritidae):					
Citrus aurantifolia (sweet lime)	Azores	1			Mass.
Citrus reticulata (tangerine)	Azores, Italy, Portugal	1	2		Mass., Va.
Citrus sinensis (orange)	France, India, Italy (?), Spain.		4		Mass., N. Y., Pa., Va.
Lycopersicon esculentum (tomato)	Hawaii		1		Wash.
Malus sylvestris (apple)	Unknown	1			N. Y.
Persea americana (avocado)	Australia, Hawaii	1	1		Calif.*, Hawaii.
Prunus domestica (plum)	Portugal		1		Mass.
Pyrus communis (pear)	do		1		Mass.
Vitis sp. (grape)	Argentina, Union of South Africa.	18			N. Y.
Ceratitis rosa Karsch (Tephritidae):					
Prunus persica (peach)	Union of South Africa	1			N. Y.
Ceroplastes ceriferus (And.) (Coccidae):					
Camellia sp	Japan			1	Wash.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Ceroplastes cirripediformis Comst. (Coccidae):					
Cutting	Panama		1		Fla.*
Iresine sp	do		1		Fla.*
Ceroplastes japonicus Green (Coccidae):					
Camellia sp	China			1	Calif.*
Citrus sp	Puerto Rico	1			Fla.*
Larix sp	Japan			1	Wash.
Tamarix sp	do			1	Wash.
Ceroplastes rubens Mask. (Coccidae):					
Alyxia olivaeformis	Hawaii	1			Calif.*
Citrus sp	Japan		1		Wash.
Fern	Hawaii	1			Calif.*
Gardenia (?) sp	Tahiti			1	Calif.*
Pittosporum sp	Japan			1	Wash.
Rhododendron sp	do			1	Wash.
Ceroplastes rusci (L.) (Coccidae):					
Ficus carica (fig)	Italy, Palestine	1		1	Mass., N. J.
Ceutorhynchus erysimi (F.) (Curculionidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Ceutorhynchus floralis (Paky.) (Curculionidae):					
Shrub	do			1	N. J.
Ceutorhynchus quadridens (Panz.) (Curculionidae):					
Soil in bag of beets	England		1		Tex.
Chaetarthria seminulum (Hbst.) (Hydrophilidae):					
Calluna sp	Netherlands			1	N. J.
Chaetocnema hortensis (Geof.) (Chrysomelidae):					
Rhododendron sp	England			1	Wash.
Chaetopsis fulvifrons (Macq.) (Otitidae):					
Zea mays (corn)	Mexico	32	1		Ariz., N. Y., Tex.
Chaetoptelius vestitus (Rey) (Scolytidae):					
Nerium sp	Portugal	1			Va.
Chelymorpha comata Boh. (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Chilo simplex (Btlr.) (Crambidae):					
Oryza sativa (rice)	China, service mail	5			Calif.*, Mo.
Chirothrips manicatus (L.) (Thripidae):					
Gladiolus sp	France		1		N. Y.
Chlorochroa ligata (Say) (Pentatomidae):					
Daisy	Mexico	1			Tex.
Phaseolus vulgaris var. (string bean)	do	1			Tex.
Chlorochroa juniperina (L.) (Pentatomidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Chrysobothris mali Horn (Buprestidae):					
Echeveria sp	Mexico			1	Calif.
Chrysomphalus albopictus (Ckll.) (Coccidae):					
Cocos nucifera (coconut)	do	1			Calif.*
Musa paradisiaca sapientum (banana)	do	1			Calif.*
Persea americana (avocado)	do	2			Tex.
Chrysomphalus nigropunctatus (Ckll.) (Coccidae):					
Araceae	Guatemala			1	N. J.
Epidendrum sp. (orchid)	Mexico			1	N. J.
Laelia majalis (orchid)	do			1	Tex.
Orchid	do			2	Tex.
Chrysomphalus personatus (Comst.) (Coccidae):					
Citrus paradisi (grapefruit)	Brazil		1		Fla.*
Citrus sinensis (orange)	Peru		1		Calif.*
Cocos nucifera (coconut)	British Guiana, Mexico		2	1	Ala., Calif.*
Chrysomphalus scutiformis (Ckll.) (Coccidae):					
Citrus aurantifolia (sour lime)	Mexico	1			Calif.*
Musa paradisiaca sapientum (banana)	Costa Rica	5			Calif.*
Chrysomphalus tenax McKenzie (Coccidae):					
Cattleya gigas (orchid)	Colombia			2	Calif.*
Monstera dubia (shingle plant)	Guatemala			1	Calif.*
Monstera spp	do			1	Calif.*
Philodendron sp	Guatemala, Mexico			4	Calif.*, Tex.
Chrysomphalus umboniferus (Newst.) (Coccidae):					
Epidendrum atropurpureum (orchid)	Venezuela			1	Calif.*
Musa paradisiaca sapientum (banana)	Costa Rica, Panama	4			Calif.*
Orchid	Mexico			1	Tex.

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Cleogonus armatus Champ. (Curculionidae):					
Epidendrum atropurpureum (orchid)	Canal Zone			1	Tex.
Orchid	Mexico			1	Tex.
Clerada apicornis Sign. (Lygaeidae):					
Cattleya gigas (orchid)	Colombia			1	Tex.
Cligenes delineata (Dist.) (Lygaeidae):					
Orchid	Mexico			2	Tex.
Coccotrypes dactyliperda (F.) (Scolytidae):					
Phoenix dactylifera (date)	Iraq	1			N. Y.
Phytelephas macrocarpa (ivory palm)	Costa Rica	1			Calif.*
Coccotrypes pygmaeus Eichh. (Scolytidae):					
Palm nut	Puerto Rico			1	N. J.
Coccus capparidis (Green) (Coccidae):					
Codiaeum sp. (croton)	Bahamas			1	N. J.
Cypripedium sp. (orchid)	India			1	N. J.
Coccus pseudohesperidum (Ckll.) (Coccidae):					
Cattleya bicolor (orchid)	Brazil			1	Fla.
Laelia purpurata (orchid)	do			1	N. J.
Octomeria crassifolia (orchid)	do			1	D. C.
Warscewiczella flabelliformis (orchid)	do			1	D. C.
Coccus viridis (Green) (Coccidae):					
Achras zapota (sapodilla)	Bahamas, Haiti	2			Fla.*, N. Y.
Citrus aurantifolia (sour lime)	Cuba	1			Fla.*
Citrus sp.	Jamaica, Puerto Rico	8			Fla.*
Coffea sp. (coffee)	Cuba, Haiti, Hawaii, Jamaica	3	1		Calif.*, Fla.*
Gardenia augusta (gardenia)	Colombia, Cuba, Jamaica, Puerto Rico, Venezuela.	18	1		Fla.*, Va.
Gardenia sp.	Hawaii	1			Calif.*
Stenolobium stans (Florida trumpetbush)	Bahamas			1	N. Y.
Coelosternus consputus Boh. (Curculionidae):					
Log	Mexico	1			Calif.*
Conchaspis angraeci Ckll. (Coccidae):					
Cattleya granulosa (orchid)	Brazil			1	Calif.*
Cattleya sp.	Brazil, Venezuela			2	Calif.*, N. J.
Epidendrum sp. (orchid)	Salvador			1	Calif.*
Oncidium sp. (orchid)	Mexico			1	Tex.
Orchid	do			1	Tex.
Conotrachelus aguacatae Barber (Curculionidae):					
Persea americana (avocado)	do	98			Tex.
Conotrachelus integer Csy. (Curculionidae):					
Quercus sp. (oak)	do	1			Tex.
Conotrachelus perseae Barber (Curculionidae):					
Persea americana (avocado)	do	1			Tex.
Conotrachelus seniculus Lec. (Curculionidae):					
Beta vulgaris cicla (chard)	do	2			Ariz.
Herb	do	1			Tex.
Coptocycla dorsopunctata (Klug) (Chrysomelidae):					
Phaseolus lunatus macrocarpus (lima bean)	Cuba	1			N. Y.
Coptocycla semiatrata Boh. (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Coptorhynchus iliganus Hllr. (Curculionidae):					
Cannabis sativa (hemp)	Philippines	1			Wash.
Coptotermes formosanus Shiraki (Rhinotermitidae):					
Eleocharis dulcis (waternut)	China	1			Calif.*
Corcyra cephalonica (Staint.) (Galleriidae):					
Caladium sp.	Virgin Islands	1			N. Y.
Cicer arietinum (chickpea)	Mexico, Puerto Rico	1	2		N. Y., Tex.
Erythrina sp.	Salvador	1			N. Y.
Gossypium sp. (cottonseed)	do			1	Tex.
Oryza sativa (rice)	India	1			Ala.
Cordylomera spinicornis (F.) (Cerambycidae):					
Khaya senegalensis (?)	Gold Coast	1			N. Y.
Khaya sp.	Cameroons, French Equatorial Africa, Gold Coast.	5			N. Y., Va.
Corimelaena minutissima Mall. (Pentatomidae):					
Rorippa nasturtium-aquaticum (watercress)	Mexico	1			Tex.
Cosmopolites sordidus (Germ.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Guatemala			1	La.

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Creontiades femoralis Van Duzee (Miridae):					
Beta vulgaris cicla (chard)	Mexico	1			Ariz.
Crophius costatus (Dist.) (Lygaeidae):					
Laelia sp. (orchid)	do			1	Tex.
Crophius scabrosus (Uhler) (Lygaeidae):					
Bromelia sp	do			1	Calif.*
Epidendrum sp. (orchid)	do			1	Calif.*
Laelia sp. (orchid)	do			1	Tex.
Orchid	do			5	Tex.
Cryphula apicatus (Dist.) (Lygaeidae):					
Cattleya sp. (orchid)	Honduras			1	Fla.
Orchid	Mexico			1	Tex.
Cryptorhynchus mangiferae (F.) (Curculionidae):					
Mangifera indica (mango)	Hawaii, Philippines	14	11		Calif.*, Wash.
Cryptotermes brevis (Walker) (Kalotermitidae):					
Wood	Hawaii	1			Calif.*
Curculio elephas (Gyll.) (Curculionidae):					
Castanea sp. (chestnut)	Italy	4			Ala., Ill.
Curculio q-griseae Chttn. (Curculionidae):					
Quercus sp. (oak)	Mexico	4			Tex.
Cyamobolus palawanicus Heller (Curculionidae):					
Heritiera littoralis	Philippines			1	Oreg.
Cylas formicarius F. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Philippines, Strait Settlements.	1	1		Calif.*
Cylas formicarius subsp. (?) (Curculionidae):					
Ipomoea batatas (sweetpotato)	China	1			Calif.*
Cylas formicarius (F.) var. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Cuba, Philippines, Puerto Rico, Siam.	4	1		Ala., Calif.*, Hawaii, N. Y.
Cylas formicarius elegantulus (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Cuba, Mexico, Puerto Rico, Virgin Islands.	30	1		Ala., Fla.*, N. Y., S. C., Tex.
Cylas formicarius probably *elegantulus* (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Puerto Rico, Virgin Islands.	6			N. Y.
Cylas puncticollis Boh. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Mozambique, Sierra Leone.	1	3		Mass., N. Y., Va.
Cymus melanocephalus Fieber (Lygaeidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Cyrtocapsus caligineus (Stal) (Miridae):					
Capsicum frutescens (pepper)	Mexico	1			Tex.
Cyrtonota tristigma (Boh.) (Chrysomelidae):					
Musa paradisiaca sapientum (banana)	Guatemala	1			Calif.*
Cyrtopeltis varians (Dist.) (Miridae):					
Brassica sp. (mustard)	Mexico	1			Tex.
Lycopersicon esculentum (tomato)	do	1			Calif.
Dacus cucurbitae (Coq.) (Tephritidae):					
Capsicum frutescens grossum (sweet bell pepper).	Hawaii		1		Calif.*
Cucumis sativus (cucumber)	do		5		Calif.*
Cucurbita marima (squash)	do		2		Calif.*
Lycopersicon esculentum (tomato)	do		3		Calif.*, Wash.
Phaseolus vulgaris var. (string bean)	do		5		Calif.*
Dacus dorsalis Hend. (Tephritidae):					
Carica papaya (papaya)	do		1		Calif.*
Euphoria longan (longan)	do	1			Calif.*
Mangifera indica (mango)	Hawaii, Philippines	5	3		Calif.*, Hawaii
Musa paradisiaca sapientum (banana)	Hawaii	4			Calif.*
Persea americana (avocado)	do	1			Calif.*
Psidium guajava (guava)	do	1	1		Calif.*
Dacus dorsalis Hend. (?) (Tephritidae):					
Cocos nucifera (coconut)	do	1			Calif.*
Mangifera indica (mango)	do	1	1		Calif.*
Musa paradisiaca sapientum (banana)	do		2		Calif.*
Dacus oleae (Gmel.) (Tephritidae):					
Olea europaea (olive)	Azores, Greece, Italy, Portugal.	73			Ill., Mass., N. Y., Pa.

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Dacus oleae (Gmel.) (?) (Tephritidae):					
Olea europaea (olive)	Italy	2			N. Y.
Dalopius marginatus (L.) (Elateridae):					
Soil packing of rhododendron	England			1	Wash.
Desmothrips australis (Bagn.) (Aeolothripidae):					
Raphanus sativus (radish)	Australia		1		Hawaii.
Diabrotica figurata Jac. (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Dialeurodes chittendeni Laing (Aleyrodidae):					
Rhododendron ponticum (pontic rhododendron).	England			1	N. J.
Rhododendron sp	England, Netherlands			4	N. J.
Dialeurodes citri (Ashm.) (Aleyrodidae):					
Osmanthus (?) sp	Formosa			1	Calif.*
Dialeurodes citrifolii (Morg.) (Aleyrodidae):					
Citrus sp	Puerto Rico	3			Fla.*
Dialeurodes kirkaldyi (Kat.) (Aleyrodidae):					
Plant	Japan (?)			1	Calif.*
Diaphania hyalinata (L.) (Pyraustidae):					
Cucurbita maxima (squash)	Mexico	5			Tex.
Cucurbita pepo (pumpkin)	do	3			Ariz., Tex.
Diaphania nitidalis (Stoll) (Pyraustidae):					
Cucumis sativus (cucumber)	Brazil, Netherlands Guiana, Trinidad.		4		La., Mass., N. Y. Tex.
Cucurbita maxima (squash)	Mexico	23	1		Tex.
Cucurbita pepo (pumpkin)	do	1			Tex.
Basket containing various vegetables	Dutch Guiana		1		Tex.
Diaprepes abbreviatus (L.) (Curculionidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			N. Y.
Diatraea crambidoides (Grote) (Crambidae):					
Zea mays (corn)	British Honduras		1		Fla.*
Diatraea saccharalis (F.) (Crambidae):					
Saccharum officinarum (sugarcane)	Haiti, Mexico, Puerto Rico.	2	3		Md., Pa., Tex.
Sorghum vulgare technicum (broomcorn)	Argentina	6			La.
Zea mays (corn)	Puerto Rico	1			Fla.*
Dinoderus brevis (Horn) (Bostrichidae):					
Bamboo	Guam, Philippines	7			Calif.,* Mo.
Dinoderus pilifrons Lesne (Bostrichidae):					
Bamboo	India	1			Tex.
Dioryctria abietella (D. & S.) (Phycitidae):					
Picea sp. (spruce)	Canada			1	Wash.
Diorymerellus laevimargo Champ. (Curculionidae):					
Laelia anceps (orchid)	Mexico			2	Tex.
Laelia superbiens	Guatemala			1	Calif.*
Laelia sp	Mexico			2	Tex.
Odontoglossum grande (orchid)	Guatemala			1	Tex.
Orchid	Honduras, Mexico			17	Tex.
Disonycha leptolineata texana Schaef. (Chrysomelidae):					
Chrysanthemum maximum (shasta daisy)	Mexico	1			Tex.
Dryoctenes scrupulosus (Germ.) (Cerambycidae):					
Spondias sp	Venezuela	1			N. Y.
Dryotribus mimeticus Horn (Curculionidae):					
Morus sp. (mulberry)	Bahamas			1	Tex.
Dysdercus mimulus Hussey (Pyrrhocoridae):					
Citrus aurantifolia (sour lime)	Mexico	1			Tex.
Laelia anceps (orchid)	do			1	Tex.
Lycopersicon esculentum (tomato)	do	3			Tex.
Dysdercus ruficollis (L.) (Pyrrhocoridae):					
Orchid	Brazil			1	Fla.
Dysides obscurus Perty (Bostrichidae):					
Spondias sp	Venezuela	1			N. Y.
Elaphria chalcedonia (Hbn.) (Phalaenidae):					
Brassica oleracea capitata (cabbage)	England		1		Tex.
Elasmopalpus lignosellus (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			Fla.*
Endrosis lactella (Schiff.) (Oecophoridae):					
Iris sp	Netherlands			1	N. J.
Narcissus sp	do	1			Va.
Scilla sibirica (Siberian squill)	do			1	Mich.
Tulipa sp. (tulip)	do			1	N. J.

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Epicaerus cognatus Sharp (Curculionidae):					
Solanum tuberosum (potato)	Mexico	2	7		Calif.,* La., Tex.
Solanum sp	do			2	D. C.
Epilachna varivestis Muls. (Coccinellidae):					
Laelia sp. (orchid)	do			1	Tex.
Epinotia opposita Hein. (Olethreutidae):					
Phaseolus vulgaris var. (string bean)	Costa Rica, Mexico	15	1		Ariz., Calif.,* Tex.
Ereunetis flavistriata Wlsm. (Tineidae):					
Ananas comosus (pineapple)	Hawaii		1		Wash.
Ernoporus tiliae (Panz.) (Scolytidae):					
Tilia sp. (linden) (?)	France	1			N. Y.
Estigmene acrea (Drury) (Arctiidae):					
Capsicum frutescens (pepper)	Mexico	1			Ariz.
Eucactophagus aurocinctus Champ. (Curculionidae):					
Lycaste sp. (orchid)	Peru			1	Calif.*
Eucalandra setulosa (Gyll.) (Curculionidae):					
Bamboo	Mexico	1			Ariz.
Merostachys sp	do	1			Ariz.
Orchid	do			1	Tex.
Eucalymnatus tessellatus (Sign.) (Coccidae):					
Gardenia sp. (?)	Tahiti			1	Calif.*
Euleia heraclei (L.) (Tephritidae):					
Apium graveolens (celery)	England, Ireland		3		Pa., Tex.
Apium graveolens rapaceum (celeriac)	Denmark		1		N. Y.
Petroselinum crispum (parsley)	France		2		Tex.
Eumysia stigmella (Dyar) (Phycitidae):					
Echeveria sp.	Mexico			1	Calif.
Eurydema oleraceum (L.) (Pentatomidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Eurytoma crassineura Ashm. (Eurytomidae):					
Fraxinus sp. (ash)	England	1			Md.
Eurytoma oleae Del Guercio (Eurytomidae):					
Olea europaea (olive)	Italy	1			N. Y.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Cattleya bicolor (orchid)	Brazil			1	Fla.
Cattleya gaskelliana	Venezuela			1	N. J.
Cattleya gigas	Colombia			3	Fla.
Cattleya harrisoniana	Brazil			1	N. J.
Cattleya labiata autumnalis	do			1	N. J.
Cattleya mossiae	Venezuela			5	Fla., N. J.
Cattleya trianae	Colombia			2	Fla.
Cattleya sp.	Brazil, Colombia, Costa Rica, Venezuela.			93	Fla., N. J., Tex.
Laelia anceps (orchid)	Mexico			2	Tex.
Laelia purpurata	Brazil			1	Fla.
Laelia sp.	Salvador			1	Tex.
Orchid	Guatemala, Venezuela			2	N. J., Tex.
Euscepes postfasciatus (Fairm.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Brazil, Colombia, Ecuador, Honduras, Puerto Rico, Virgin Islands.	9	5		Calif.,* La., Md., N. Y., S. C.
Vine	Japan			1	Calif.*
Eutettix tenellus (Bak.) (Cicadellidae):					
Portulaca oleracea (purslane)	Mexico	1			Tex.
Eutornicus congener (Woll.) (Curculionidae):					
Cymbidium sp. (orchid)	India			1	Calif.*
Euxesta quaternaria Loew (Otitidae):					
Vitis sp. (grape)	Argentina	1			N. Y.
Euxesta stigmatias Loew (Otitidae):					
Zea mays (corn)	Puerto Rico	1			N. Y.
Evergestis forficalis (L.) (Pyraustidae):					
Brassica oleracea botrytis (cauliflower)	England		1		Tex.
Brassica oleracea capitata (cabbage)	Belgium, France, Netherlands.		3		Ala., N. Y., Tex.
Evergestis rimosalis (Guen.) (Pyraustidae):					
Brassica sp. (mustard)	Mexico	1			Tex.
Raphanus sativus (radish)	do	1			Tex.
Rorippa nasturtium-aquaticum (watercress)	do	2			Tex.

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Exosoma lusitanica (L.) (Chrysomelidae):					
Muscari comosum (cipollino)	Morocco	2			N. Y.
Exptochiomera albomaculata (Dist.) (Lygaeidae):					
Capsicum frutescens (pepper)	Mexico	1			Tex.
Laelia sp. (orchid)	do			1	Tex.
Lycopersicon esculentum (tomato)	do	1			Tex.
Orchid	Guatemala, Mexico			6	Tex.
Exptochiomera oblonga (Stal) (Lygaeidae):					
Chrysanthemum sp	Mexico	1			Tex.
Exptochiomera tumens (Stal) (Lygaeidae):					
Orchid	do			1	Tex.
Faustinus rhombifer (Champ.) (Curculionidae):					
Orchid	do			1	Tex.
Ferrisiana virgata (Ckll.) (Coccidae):					
Dendrobium heterocarpum (orchid)	Philippines			1	Calif.*
Echinocereus grandis (cactus)	Mexico			1	Calif.*
Euphorbia spp	Guam			1	Calif.*
Gardenia augusta (gardenia)	Venezuela	1			Fla.*
Helichrysum bracteatum (straw flower)	Guam	1			Calif.*
Hibiscus esculentus (okra)	Cuba		1		Fla.*
Hibiscus spp	Guam			1	Calif.*
Lilium spp	do			1	Calif.*
Mammillaria albicans (cactus)	Mexico			1	Calif.*
Miltonia sp. (orchid)	Colombia			1	Calif.*
Musa paradisiaca sapientum (banana)	Costa Rica, Mexico	5			Calif.*
Oncidium ornithopodum (orchid)	Mexico			1	Calif.*
Pinus sp. (pine)	Japan			1	Wash.
Plant—unidentified	Guam, Marianas	1		1	Calif.*
Trichoglottis brachiata (orchid)	Philippines			1	Hawaii.*
Vanda luzonica (orchid)	do			1	Hawaii.*
Forficula auricularia L. (Forficulidae):					
Dianthus sp. (carnation)	Ireland			1	Ill.
Epidendrum atropurpureum (orchid)	Venezuela			1	Calif.*
Hyacinthus sp. (hyacinth)	Netherlands			1	Ill.
Punica granatum (pomegranate)	Italy	1			Ill.
Sawdust packing for dahlias	Germany			1	Wash.
Frankliniella insularis (Frankl.) (Thripidae):					
Antirrhinum majus (snapdragon)	Jamaica		1		Fla.*
Pisum sativum (pea)	Mexico	1			Tex.
Rosa sp. (rose)	Dominican Republic	1			P. R.
Frankliniella moultoni Hood (Thripidae):					
Rosa sp. (rose)	Colombia	1			Fla.*
Franklinothrips vespiformis (Crawf.) (Franklinothripidae):					
Chrysanthemum sp	Mexico	1			Ariz.
Fulvius anthocorides Stal (Miridae):					
Orchid	do			1	Tex.
Fulvius brevicornis Reuter (Miridae):					
Log	French West Africa	2			Va.
Fulvius orycarenoides Reuter (Miridae):					
Khaya sp	French Equatorial Africa.	1			N. Y.
Fundella pellucens Zell. (Phycitidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			N. Y.
Phaseolus vulgaris var. (string bean)	do	2			N. Y.
Furcaspis biformis (Ckll.) (Coccidae):					
Brassavola nodosa (orchid)	Canal Zone			1	N. J.
Brassavola sp	Canal Zone, Colombia			2	N. J.
Cattleya chocoensis (orchid)	Costa Rica			1	Tex.
Cattleya gigas	Canal Zone, Colombia, Guatemala.			3	Calif.,* N. J., Tex.
Cattleya intermedia	Brazil			1	D. C.
Cattleya trianae	Colombia, Costa Rica			3	Calif.*
Cattleya sp	Brazil, Colombia, Guatemala, Mexico, Trinidad, Venezuela.			22	Calif.,* Fla., N. J., Tex.
Cymbidium sp. (orchid)	Colombia			1	N. J.
Epidendrum atropurpureum (orchid)	Canal Zone, Venezuela			11	Calif.*, N. J., Tex.
Oncidium confusum (orchid)	Canal Zone			3	N. J., Tex.
Oncidium stipitatum (orchid)	do			1	Tex.
Oncidium sp	do			3	Fla., Tex.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Furcaspis biformis (Ckll.) (Coccidae):—Con.					
Orchid	Brazil, Canal Zone, Colombia, Trinidad.			4	D. C., N. J., P. R., Tex.
Phalaenopsis sp. (orchid)	Trinidad			1	Calif.*
Philodendron spp	Guatemala			1	Calif.*
Rodriguezia secunda (orchid)	Canal Zone			1	Tex.
Schomburgkia crispa (orchid)	Costa Rica			1	Calif.*
Schomburgkia undulata	Canal Zone			1	Calif.*
Schomburgkia sp	Venezuela			1	N. J.
Vanda batemani (orchid)	Philippines			1	Hawaii.*
Furcaspis oceanicus Ldgr. (Coccidae):					
Cocos nucifera (coconut)	South Pacific	1			Hawaii.
Galgupha quadrisignata (Stal) (Pentatomidae):					
Orchid	Mexico			1	Tex.
Galgupha punctifer McA. & Mall. (Pentatomidae):					
Orchid	Canal Zone, Mexico			4	Tex., Wash.
Galgupha texana McA. & Mall. (Pentatomidae):					
Orchid	Mexico			1	Tex.
Geocoris flavilineus Stal (Lygaeidae):					
Chrysanthemum sp	do	1			Tex.
Gerstaeckeria bifasciata (Gerst.) (Curculionidae):					
Coryphantha erecta centrispina (cactus)	do			1	Tex.
Gerstaeckeria mutillaria (Gerst.) (Curculionidae):					
Mammillaria sp. (cactus)	do			1	Tex.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum frutescens (pepper)	do	13			Ariz.
Gnorimoschema lavernella (Chamb.) (Gelechiidae):					
Physalis sp. (husk tomato)	do	4			Tex.
Gnorimoschema plaesiosema (Turner) (Gelechiidae):					
Solanum tuberosum (potato)	Peru		2		Tex.
Gracilaria azaleela Brants (Gracilariidae):					
Rhododendron indicum	Belgium			1	N. J.
Rhododendron obtusum kaempferi	Netherlands			1	N. J.
Rhododendron sp	do			7	N. J., Wash.
Grapholitha molesta (Busck) (Olethreutidae):					
Malus sylvestris (apple)	Japan		1		Oreg.
Prunus armeniaca (apricot)	Italy	1			N. Y.
Prunus persica (peach)	Unknown	1			Mich.
Grapholitha packardi Zell. (Olethreutidae):					
Crataegus sp. (red haw)	Mexico	1			Tex.
Gymnaetron beccabungae nigrum Walt. (Curculionidae):					
Crataegus sp	Germany			1	N. J.
Halimococcus borassi Green (Coccidae):					
Borassus flabellifer (palmyra palm)	India	1			Calif.*
Haplothrips cottei (Vuillet) (Phlaeothripidae):					
Dianthus sp. (carnation)	England, Portugal		1	1	Mass., N. J.
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Canavalia sp	Hawaii	4			Calif.*
Genista sp	Barbados	1			Mass.
Rosa sp. (rose)	Mexico	1			Tex.
Heliodines bella (Chamb.) (Heliodinidae):					
Portulaca oleracea (purslane)	do	29			Ariz., Tex.
Rorippa nasturtium-aquaticum (watercress)	do	1			Tex.
Hellula phidilealis (Wlk.) (Pyraustidae):					
Brassica rapa (turnip)	Cuba		2		Tex.
Heraeus cincticornis Stal (Lygaeidae):					
Cattleya sp. (orchid)	Venezuela			1	N. J.
Heraeus guttatus (Dallas) (Lygaeidae):					
Laelia sp. (orchid)	Mexico			1	Tex.
Heterobostrychus aequalis (Waterh.) (Bostrichidae):					
Wood	India	1			N. Y.
Hofmannophila pseudospretella (Staint.) (Oecophoridae):					
Achimenes sp	Belgium			1	N. J.
Lavandula sp	England	1			Wash.
Sorghum vulgare technicum (broomcorn)	Italy	1			N. Y.
Straw packing	Netherlands	1			Mass.
Ulex sp	North Ireland	1			Pa.

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		Consumption	Nonentry	Propagation	
Hylurgops palliatus (Gyll.) (Scolytidae):					
Picea sp. (spruce)	Germany, Sweden	3			N. Y.
Pinus sp. (pine)	Sweden	1			N. Y.
Hypera nigrirostris (F.) (Curculionidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Hypera pedestris (Payk.) (Curculionidae):					
Crataegus sp	Germany			1	N. J.
Hypera postica (Gyll.) (Curculionidae):					
Soil around shamrocks	Ireland	1			N. Y.
Hypera rumicis (L.) (Curculionidae):					
Crataegus sp	Germany			1	N. J.
Hyphantria cunea (Drury) (Arctiidae):					
Raphanus sativus (radish)	Mexico	1			Tex.
Icerya zeteki Morr. (Coccidae):					
Palm	Salvador			1	Tex.
Ips typographus (L.) (Scolytidae):					
Picea sp. (spruce)	Sweden	1			N. Y.
Pinus sp. (pine)	Germany	1			N. Y.
Iridomyrmex humilis Mayr. (Formicidae):					
Chrysanthemum sp	Portugal	1			Mass.
Orchid	Honduras			2	La.
Prunus domestica (plum)	Portugal		1		Mass.
Soil around bulbs and plants	Azores			1	N. Y.
Japetus sphaeroides Dist. (Pyrrhocoridae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Kalotermes marginipennis (Latr.) (Kalotermitidae):					
In suitcase	Guatemala	1			Calif.*
Lampides boeticus (L.) (Lycaenidae):					
Canavalia sp	Hawaii	3			Calif.*
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sativa (chestnut)	Belgium, England, France, Italy, Portugal.	17	2		Ala., D. C., Ill., Mass., Minn., N. Y., Ohio, Pa., Wash.
Quercus sp. (oak)	Turkey	1			Pa.
Lecaniodiaspis dendrobii Dougl. (Coccidae):					
Cattleya sp. (orchid)	British Honduras			1	Tex.
Lecanium coryli (L.) (Coccidae):					
Malus sylvestris (apple)	Netherlands			1	D. C.
Lema bilineata Germ. (Chrysomelidae):					
Vitis sp. (grape)	Union of South Africa	1			N. Y.
Lema cyanella (L.) (Chrysomelidae):					
Crataegus sp	Germany			1	N. J.
Lema melanopa (L.) (Chrysomelidae):					
Crataegus sp	do			1	N. J.
Leperisinus fraxini (Panz.) (Scolytidae):					
Fraxinus sp. (ash)	England	6			N. Y.
Lepidosaphes carinata Ckll. (Coccidae):					
Philodrendron sp	Mexico			1	Calif.*
Lepidosaphes conchiformis (Gmel.) (Coccidae):					
Pyrus communis (pear)	Japan	1			Wash.
Lepidosaphes espinosai Porter (Coccidae):					
Forest litter	Peru	1			Wash.
Lepidosaphes ficus (Sign.) (Coccidae):					
Ficus carica (fig)	Italy, Palestine			5	N. J., N. Y.
Lepidosaphes latero-chitinosa Green (Coccidae):					
Rhynchostylis retusa (orchid)	India			2	N. J.
Lepidosaphes pallida (Green) (Coccidae):					
Juniperus sp. (juniper)	Japan			5	Wash.
Lepidosaphes philococcus (Ckll.) (Coccidae):					
Cactus	Mexico			1	Tex.
Lepidosaphes tokionis (Kuw.) (Coccidae):					
Codiaeum variegatum (croton)	Hawaii			3	Calif.*
Codiaeum sp	Bahamas			1	N. J.
Lepidosaphes tuberculata Malen. (Coccidae):					
Cymbidium tracyanum (orchid)	India			1	Calif.*
Cymbidium lowianum	do			1	N. J.
Cymbidium sp	Australia, Belgium, England, India, Japan, Netherlands.			29	Calif.*, Hawaii, N. J., Wash.
Schomburgkia sp. (orchid)	Australia			1	Calif.*

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Lepidosaphes uniloba (Kuw.) (Coccidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	1			Calif.*
Leptoglossus chilensis Spinola (Coreidae):					
Vitis sp. (grape)	Chile	4			N. Y.
Leptostylus incrassatus (Klug) (Cerambycidae):					
Morus sp. (mulberry)	Bahamas			1	Tex.
Lethaeus aeruginosus (Dist.) (Lygaeidae):					
Cymbidium sp. (orchid)	India			1	Calif.*
Leucaspis cockerelli (de Charmoy) (Coccidae):					
Citrus aurantifolia (sour lime)	Costa Rica, Hawaii, Salvador.	1	3		Calif.*
Citrus grandis (pummelo)	Hawaii	1			Calif.*
Citrus limon (lemon)	Philippines		1		Calif.*
Citrus paradisi (grapefruit)	Cuba, Jamaica, Panama	1	3		Calif.*, Fla.*
Citrus sinensis (orange)	Panama		2		Calif.*
Palm	Salvador			1	Tex.
Ligyrocoris abdominalis (G.–M.) (Lygaeidae):					
Capsicum frutescens (pepper)	Mexico	1			Tex.
Laelia anceps (orchid)	do			1	Tex.
Laelia majalis	do			1	Tex.
Lycopersicon esculentum (tomato)	do	1			Tex.
Orchid	do			2	Tex.
Ligyrocoris aurivilliana (Dist.) (Lygaeidae):					
Chrysanthemum sp.	do	3			Ariz., Tex.
Lycopersicon esculentum (tomato)	do	1			Tex.
Ligyrocoris litigiosus (Stal) (Lygaeidae):					
Orchid	do			1	Tex.
Ligyrocoris nitidicollis (Stal) (Lygaeidae):					
Capsicum frutescens (pepper)	do	1			Tex.
Lineodes integra (Zell.) (Pyraustidae):					
Lycopersicon esculentum (tomato)	do	2			Ariz., Tex.
Liothrips vaneeckei Pr. (Phlaeothripidae):					
Lilium auratum platyphyllum (broadleaf goldband lily).	Japan	1			Calif.*
Lilium candidum (Madonna lily)	France			2	N. Y.
Lilium sp.	Japan			2	Calif.*, Wash.
Liriomyza pusilla (Meig.) (Agromyzidae):					
Capsicum frutescens (pepper)	Mexico	1			Ariz.
Euphorbia sp.	Canada			1	N. Y.
Lixus mucronatus Oliv. (Curculionidae):					
Apium graveolens (celery)	Portugal		1		Pa.
Longitarsus melanocephalus (Deg.) (Chrysomelidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Lophocateres pusillus (Klug) (Ostomidae):					
Zea mays (corn)	Venezuela	1			Mass.
Loxostege similalis (Guen.) (Pyraustidae):					
Brassica rapa (turnip)	Mexico	1			Tex.
Brassica sp. (mustard)	do	1			Tex.
Portulaca oleracea (purslane)	do	1			Tex.
Lyctus caribeanus Lesne (Lyctidae):					
Ananas comosus (pineapple)	do	1			Tex.
Lygaeus circumplicatus Dist. (Lygaeidae):					
Orchid	do			3	Tex.
Lygaeus guatemalanus Dist. (Lygaeidae):					
Cattleya sp. (orchid)	Venezuela			1	N. J.
Lygaeus pusio (Stal) (Lygaeidae):					
Orchid	Mexico			1	Tex.
Lygaeus vittiscutis Stal (Lygaeidae):					
Cattleya sp. (orchid)	Guatemala			1	Tex.
Orchid	Mexico			5	Tex.
Lygus elisus Van D. (Miridae):					
Brassica rapa (turnip)	do	1			Tex.
Musa paradisiaca sapientum (banana)	do	1			Calif.*
Lygus oblineatus (Say) (Miridae):					
Chrysanthemum sp.	do	1			Ariz.
Limonium sp. (?)	Bermuda	1			N. Y.
Macrocephalus notatus Westwood (Phymatidae):					
Orchid	Mexico			1	Tex.
Macrocephalus stali Handl. (Phymatidae):					
Orchid	do			3	Tex.
Macropygium reticulare F. (Pentatomidae):					
Orchid	do			2	Tex.

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Maruca testulalis (Geyer) (Pyraustidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			Fla.*
Canavalia sp	Hawaii	5			Calif.*
Phaseolus vulgaris var. (string bean)	Brazil, Hawaii, New Zealand, Panama, Puerto Rico.	2	7		Calif.*, Fla.*, Hawaii, La., Pa., Tex.
Mecinus pyraster (Hbst.) (Curculionidae):					
Beta vulgaris (beet)	Italy		1		Md.
Mecolaemus carvalhoi (Costa Lima) (Miridae):					
Cattleya gaskelliana (orchid)	Venezuela			1	N. J.
Cattleya sp	do			5	N. J.
Orchid	Brazil, Venezuela			3	N. J.
Mecometopus jansoni Bates (Cerambycidae):					
Musa paradisiaca sapientum (banana)	Costa Rica	1			Calif.*
Megacerus contaminatus (Sharp) (Bruchidae):					
Ipomoea sp.	Mexico			1	D. C.
Meristata dohrni (Baly) (Chrysomelidae):					
Vanda sp. (orchid)	India			1	Wash.
Meristata trifasciata (Hope) (Chrysomelidae):					
Vanda sp. (orchid)	do			1	Wash.
Merobruchus flexicaulis (Schaef.) (Bruchidae):					
Pithecollobium flexicaule (ebony)	Mexico	1			Tex.
Merobruchus julianus (Horn) (Bruchidae):					
Seed pod	do			1	Tex.
Metamasius sericeus (Oliv.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Canal Zone, Costa Rica, Honduras, Nicaragua.	23			Calif.*, La., S. C.
Metamasius sericeus (Oliv.) var (Curculionidae):					
Musa paradisiaca sapientum (banana)	Ecuador, Honduras	3			La., Md., S. C.
Metamasius sericeus carbonarius Chev. (Curculionidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Orchid	do			1	Tex.
Metriona tuberculata (F.) (Chrysomelidae):					
Musa paradisiaca sapientum (banana)	Guatemala	1			Calif.*
Micrapate brasiliensis (Lesne) (Bostrichidae):					
Wood	Brazil	1			N. Y.
Micrapate labialis Lesne (Bostrichidae):					
Sambucus sp	Mexico	1			N. Y.
Microtheca ochroloma Stal (Chrysomelidae):					
Cattleya labiata (orchid)	Brazil			1	Tex.
Mimorista flavidissimalis (Grt.) (Pyraustidae):					
Cactus	Mexico	1			Tex.
Mimosestes dominicana (Jek.) (Bruchidae):					
Caesalpinia coriaria (divi-divi)	Dominican Republic, Honduras, Mexico.	3			N. Y., Tex.
Mimosestes sallaei (Sharp) (Bruchidae):					
Acacia farnesiana (huisache)	Mexico	1			Tex.
Molorchus minor (L.) (Cerambycidae):					
Pinus sp. (pine)	Hungary	1			N. Y.
Moneilema ebenus Fisher var. (Cerambycidae):					
Cactus	Mexico			1	Tex.
Monomorium destructor (Jerd.) (Formicidae):					
Cattleya sp. (orchid)	Jamaica			1	Fla.
Moodna bisinuella Hamp. (Phycitidae):					
Zea mays (corn)	Mexico	14			Tex.
Morganella longispina (Morg.) (Coccidae):					
Citrus grandis (pummelo)	Philippines, Tahiti		2		Calif.*
Nerium oleander (oleander)	Bahamas	1			Fla.*
Mormidea v-luteum (Licht) (Pentatomidae):					
Cattleya warneri (orchid)	Brazil			1	Calif.*
Orchid	do			1	Fla.
Myelois ceratoniae Zell. (Phycitidae):					
Malus sylvestris (apple)	Italy	1			N. Y.
Punica granatum (pomegranate)	do	1			N. Y.
Tamarindus indica (tamarind)	Montserrat, Puerto Rico	2			N. Y.
Myodocha longicollis Stal (Lygaeidae):					
Orchid	Mexico			1	Tex.
Nabis alternatus Parsh. (Nabidae):					
Brassica sp. (mustard)	do	1			Tex.
Napomyza lateralis (Fall.) (Agromyzidae):					
Cichorium endivia (endive)	Belgium	1			N. Y.

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Nasutitermes corniger (Motsch.) (Termitidae):					
Dalbergia sp. (rosewood)	Brazil	1			N. Y.
Musa paradisiaca sapientum (banana)	Costa Rica, Guatemala	2			Calif.*, Md.
Orchid	Honduras			1	Tex.
Nemapogon granella (L.) (Tineidae):					
Anemone sp	Netherlands	1		1	Minn., N. Y.
Gladiolus sp	do	1			Pa.
Tulipa sp. (tulip)	do			1	Tex.
Neocattarus vegetus Dist. (Lygaeidae):					
Orchid	Mexico			1	Tex.
Neoleucinodes elegantalis (Guen.) (Pyraustidae):					
Lycopersicon esculentum (tomato)	do	80			Tex.
Nysius basalis Dallas (Lygaeidae):					
Orchid	do			1	Tex.
Nysius calliger Stal (Lygaeidae):					
Cactus	do			1	Tex.
Nysius dallasi White (Lygaeidae):					
Airplane	Philippines		1		Hawaii.
Nysius minutus Uhler (Lygaeidae):					
Airplane	Mexico		1		Tex.
Brassica oleracea capitata (cabbage)	do	2			Ariz.
Brassica rapa (turnip)	do	7			Tex.
Brassica sp. (mustard)	do	16			Ariz., Tex.
Lathyrus odoratus (sweet pea)	do	1			Tex.
Physalis sp. (husk tomato)	do	1			Tex.
Portulaca oleracea (purslane)	do	2			Tex.
Raphanus sativus (radish)	do	6			Tex.
Spinacia oleracea (spinach)	do	2			Ariz.
Nysius raphanus Howard (Lygaeidae):					
Brassica oleracea botrytis (cauliflower)	do	1			Tex.
Brassica rapa (turnip)	do	6			Tex.
Brassica sp. (mustard)	do	17			Tex.
Chrysanthemum sp	do	3			Ariz., Tex.
Persea americana (avocado)	do	1			Tex.
Raphanus sativus (radish)	do	6			Tex.
Nysius simulans Stal (Lygaeidae):					
Brassica oleracea capitata (cabbage)	Argentina		1		Tex.
Ogdoecosta biannularis (Boh.) (Chrysomelidae):					
Cactus	Mexico			1	Tex.
Orchid	do			1	Tex.
Ogdoecosta juvenca (Boh.) (Chrysomelidae):					
Orchid	do			2	Tex.
Olibrus submaculatus Sharp (Phalacridae):					
Ananas comosus (pineapple)	do	2			Tex.
Oosternum costatum Sharp (Hydrophilidae):					
Morus sp. (mulberry)	Bahamas			1	Tex.
Orchid	Mexico			1	Tex.
Orycarenus bicolor Fieber (Lygaeidae):					
Orchid	Australia	1			Hawaii.
Ozophora consanguineus (Dist.) (Lygaeidae):					
Laelia anceps (orchid)	Mexico			2	Tex.
Orchid	do			2	Tex.
Pachycoris torridus (Scop.) (Pentatomidae):					
Orchid	do			1	Tex.
Palaeopus costicollis Marsh. (Curculionidae):					
Dioscorea sp. (yam)	Jamaica	1			N. Y.
Pantomorus godmani (Crotch) (Curculionidae):					
Lathyrus odoratus (sweet pea)	Portugal			1	Mass.
Laurus nobilis (Grecian laurel)	Unknown	1			Mass.
Soil around roots of honeysuckle plant	Azores			1	Mass.
Paraleyrodes naramjae Dozier (Aleyrodidae):					
Citrus sp	Puerto Rico	1			Fla.*
Paraleyrodes singularis Bondar (?) (Aleyrodidae):					
Citrus sinensis (orange)	Mexico	2			Tex.
Parlatoria camelliae Comst. (Coccidae):					
Camellia sp	China, Japan, Switzerland.	1		3	Calif.,* N. J., N.Y., Wash.
Parlatoria cinerea Hadden (Coccidae):					
Citrus aurantifolia (sour lime)	Guatemala (?), Mexico Tahiti.		7		Calif.*
Citrus grandis (pummelo)	Tahiti		1		Calif.*
Citrus paradisi (grapefruit)	Argentina, Brazil, France.		4		Calif.,* Fla.*

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Parlatoria cinerea Hadden (Coccidae)—Con.					
Citrus sinensis (orange)	Argentina, Brazil, Guatemala, Jamaica.	----	13	----	Calif.*
Parlatoria citri McKenzie (Coccidae):					
Citrus grandis (pummelo)	Philippines	----	1	----	Calif.*
Parlatoria crotonis Dougl. (Coccidae):					
Codiaeum sp. (croton)	Soldier's mail	----	----	1	N. J.
Parlatoria oleae (Colvee) (Coccidae):					
Malus sylvestris (apple)	Italy, Lebanon	3	----	..	N. Y.
Prunus domestica (plum)	Argentina, Portugal, Turkey.	4	2	----	Mass., N. Y.
Prunus persica (peach)	Argentina	1	----	----	N. Y.
Pyrus communis (pear)	do	1	----	----	N. Y.
Sorbus domestica (service tree)	Italy	1	----	----	N. Y.
Vitis sp. (grape)	do	----	----	1	N. J.
Parlatoria pseudaspidiotus Ldgr. (Coccidae):					
Orchid	Canal Zone	----	----	1	P. R.
Vanda joaquimiae (orchid)	Canal Zone, Philippines	----	----	4	Calif.,* Hawaii,* N. J.
Vanda teres	do	----	----	4	Calif.,* Tex.
Vanda sp.	Canal Zone	----	----	1	Tex.
Parlatoria theae Ckll. (Coccidae):					
Acer sp. (maple)	Japan	----	----	6	Calif.,* Wash.
Prunus sp	do	----	----	2	Calif.,* Wash.
Parlatoria zizyphus (Lucas) (Coccidae):					
Citrus aurantifolia (sour lime)	Puerto Rico (?)	1	----	----	Fla.*
Citrus grandis (pummelo)	China, Malay States, Philippines, Siam.	2	2	----	Calif.,* Hawaii.
Citrus paradisi (grapefruit)	Thailand	1	----	----	N. Y.
Citrus reticulata (tangerine)	China, Philippines	----	2	----	Calif.*
Citrus sinensis (orange)	China	1	----	----	Minn.
Paroxyna sororcula (Wied.) (Tephritidae):					
Airplane	Mexico (?)	----	1	----	Tex.
Pealius hibisci (Kot.) (Aleyrodidae):					
Hibiscus sp.	Hawaii	----	----	1	Calif.*
Pealius rhododendri Takah. (Aleyrodidae):					
Rhododendron sp.	Japan	----	----	1	Hawaii.
Pectinophora gossypiella (Saund.) (Gelechiidae):					
Gossypium sp. (cottonseed)	Brazil, British West Indies, Hawaii, Italy, Mexico, St. Kitts, Venezuela.	21	----	1	Calif.*, D. C., Fla.*, Mass., N. J., N. Y., Tex., Wash.
Gossypium sp. (cotton; gin motes)	Brazil	1	----	----	Tex.
Gossypium sp. (cotton boll)	Hawaii, Italy	2	----	----	Calif.*, N. Y.
Gossypium sp. (seed cotton)	Egypt	2	----	----	Ohio.
Hibiscus esculentus (okra)	Cyprus, Dominican Republic, Puerto Rico.	2	----	1	Mich., N. Y.
Periphyllus horridus Theobald (?) (Aphidae):					
Acer palmatum (Japanese maple)	Netherlands	----	----	2	N. J.
Acer sp. (maple)	do	----	----	10	N. J.
Phalonia zephyrana (Treit.) (Phaloniidae):					
Daucus carota (carrot)	Italy	----	1	----	Md.
Phatnoma annulipes concisa Drake (Tingidae):					
Orchid	Mexico	----	..	2	Tex.
Phelypera distigma Boh. (Curculionidae):					
Laelia anceps (orchid)	do	----	----	1	Tex.
Orchid	do	----	----	1	Tex.
Phenacaspis sandwicensis Fullaway (?) (Coccidae):					
Cocos nucifera (coconut)	Hawaii	8	----	----	Calif.*
Mangifera indica (mango)	do	2	----	----	Calif.*
Strelitzia sp.	do	1	----	----	Calif.*
Phenacoccus gossypii Towns. & Ckll. (Coccidae):					
Hibiscus sp	Bermuda	1	----	...	Mass.
Ipomoea sp. (morning glory)	Mexico	----	----	1	Tex.
Musa paradisiaca sapientum (banana)	do	1	----	----	Tex.
Pelargonium sp. (geranium)	do	1	----	----	Tex.
Phlyctinus callosus Boh. (Curculionidae):					
Vitis sp. (grape)	Union of South Africa, unknown.	3	----	----	N. Y., Va.
Phyllobius intrusus Kono (Curculionidae):					
Soil around dwarf cedar	Japan	----	----	1	Wash.

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Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Phyllophaga alquizara Chapin (Scarabaeidae):					
Ananas comosus (pineapple)	Cuba (?)	1			N. Y.
Phyllotreta atra (F.) (Chrysomelidae):					
Crataegus sp	Germany			1	N. J.
Phyllotreta cruciferae (Goeze) (Chrysomelidae):					
Brassica oleracea botrytis (cauliflower)	Belgium		1		Pa.
Brassica oleracea capitata (cabbage)	England		1		Tex.
Phyllotreta undulata (Kutsch.) (Chrysomelidae):					
Crataegus sp	Germany			1	N. J.
Shrub	Netherlands			1	N. J.
Phymatodes lividus Rossi (Cerambycidae):					
Castanea sp. (chestnut)	Italy	1			N. Y.
Physonota attenuata Boh. (Chrysomelidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Orchid	do			1	Tex.
Physonota mexicana Boh. (Chrysomelidae):					
Musa paradisiaca sapientum (banana)	do	1			Calif.*
Phytobius quadrituberculatus (F.) (Curculionidae):					
Crataegus sp	Germany			1	N. J.
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Phytomyza atricornis Meig. (Agromyzidae):					
Cichorum endivia (endive)	Belgium	1			N. Y.
Phaseolus vulgaris (kidney bean)	Costa Rica		1		Calif.*
Phytomyza obscurella nigritella Zett. (Agromyzidae):					
Nepeta cataria (catnip)	Canada			1	N. Y.
Pieris brassicae (L.) (Pieridae):					
Brassica oleracea capitata (cabbage)	England, France		2		N. Y., Va.
Pinnaspis buri (Bouche) (Coccidae):					
Anthurium spp	Guatemala			1	Calif.*
Strelitzia sp	Hawaii	1			Calif.*
Syngonium sp	Haiti			1	Fla.*
Pityogenes chalcographus (L.) (Scolytidae):					
Picea sp. (spruce)	Germany, Sweden	2			N. Y.
Pinus sp. (pine)	Czechoslovakia, Sweden	5			N. Y.
Pityophthorus coronarius Blkm. (Scolytidae):					
Sambucus sp	Mexico	1			N. Y.
Plagiodera atritarsis Stal (Chrysomelidae):					
Lycaste sp. (orchid)	Guatemala			1	Tex.
Orchid	Mexico			1	Tex.
Plagiodera congesta Stal (Chrysomelidae):					
Orchid	do			2	Tex.
Plagiodera semivittata Stal (Chrysomelidae):					
Orchid	do			5	Tex.
Plagiodera thymaloides Stal (Chrysomelidae):					
Orchid	do			7	Tex.
Platoeceticus symmicta Dyar (Psychidae):					
Ananas comosus (pineapple)	do	1			Tex.
Musa paradisiaca sapientum (banana)	Guatemala, Mexico	2			La., Tex.
Platycarenus humilis (H.-S.) (Pentatomidae):					
Musa paradisiaca sapientum (banana)	Costa Rica, Mexico	4			Calif.*
Orchid	Mexico			1	Tex.
Platynota rostrana (Wlk.) (Tortricidae):					
Ananas comosus (pineapple)	Cuba	3			Tex.
Capsicum frutescens (pepper)	Mexico	1			Tex.
Lycopersicon esculentum (tomato)	do	2			Tex.
Platynota rostrana (Wlk.) (?) (Tortricidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			N. Y.
Platynota stultana (Wlsm.) (Tortricidae):					
Capsicum frutescens (pepper)	Mexico	107			Ariz.
Lycopersicon esculentum (tomato)	do	2			Tex.
Platypus rugulosus Chapuis (Platypodidae):					
Log	do	3			Calif.*
Pnyria scabiei (Hopkins) (Fungivoridae):					
Soil around astilbe roots	Netherlands			1	N. J.
Pogonocherus fasciculatus (Deg.) (Cerambycidae):					
Conifer slat	Finland	1			Pa.
Pinus sp. (pine)	Sweden	1			N. Y.
"Poliaspis" pini Mask. (Coccidae):					
Cupressus spp	Japan			1	Calif.*
Pinus sp. (pine)	Japan, Korea			11	Calif.*, Hawaii, Oreg., Wash.

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Polydontomyia curvipes (Wied.) (Syrphidae):					
Gladiolus sp	Mexico	1			Tex.
Polygraphus poligraphus (L.) (Scolytidae):					
Picea sp. (spruce)	Norway	1			N. Y.
Premnotrypes solani Pierce (?) (Curculionidae):					
Solanum tuberosum (potato)	Peru	1			Fla.*
Premnotrypes vorax (Hust.) (Curculionidae):					
Solanum tuberosum (potato)	Ecuador		1		N. Y.
Prodenia eridania (Cram.) (Phalaenidae):					
Capsicum frutescens (pepper)	Cuba	1			N. Y.
Prodenia ornithogalli Guen. (Phalaenidae):					
Dahlia sp	Bermuda	1			N. Y.
Oryza sativa (rice)	India	1			Ala.
Protopulvinaria longivalvata Green (Coccidae):					
Anthurium sp	British Guiana	1			P. R.
Cattleya mossiae (orchid)	Venezuela			1	Calif.*
Gardenia augusta (gardenia)	Mexico	1			Tex.
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Gardenia augusta (gardenia)	Cuba, Puerto Rico, Venezuela.	6			Fla.*, N. Y.
Laurus nobilis (Grecian laurel)	Barbados	1			Fla.*
Plumeria sp	Canal Zone	1			Fla.*
Pseudaonidia clavigera Ckll. (Coccidae):					
Hibiscus sp	Hawaii			1	Calif.*
Pseudaonidia curculiginis Green (Coccidae):					
Cymbidium atropurpureum (orchid)	Philippines	*		1	Calif.*
Pseudaonidia tesserata (de Charm.) (Coccidae):					
Cutting	Jamaica	1			Fla.*
Smilax sp	Trinidad			1	D. C.
Vanda sp. (orchid)	do			1	Tex.
Pseudaonidia trilobitiformis (Green) (Coccidae):					
Citrus aurantifolia (sour lime)	Argentina, Panama		2		Calif.*
Citrus limon (lemon)	Argentina, East Africa		3		Calif.*
Pseudischnaspis alienus (Newst.) (Coccidae):					
Brassavola sp. (orchid)	Honduras			2	Fla., N. J.
Cattleya skinneri (orchid)	Costa Rica			1	Calif.*
Cattleya sp	British Honduras, Salvador.			2	Tex.
Epidendrum atropurpureum (orchid)	Guatemala			1	Calif.*
Laelia anceps (orchid)	Mexico			1	Tex.
Laelia sp	Costa Rica, Mexico			2	Tex.
Oncidium sp. (orchid)	Mexico			1	Tex.
Orchid	Costa Rica, Guatemala, Salvador.			4	Fla.*, Tex.
Pseudococcus lilacinus Ckll. (Coccidae):					
Vanda luzonica (orchid)	Philippines			1	Calif.*
Pseudococcus palmarum (Ehrh.) (Coccidae):					
Ananas comosus (pineapple)	Hawaii	1			Calif.*
Cocos nucifera (coconut)	Hawaii, Philippines	7	1	1	Calif.*
Pseudococcus pini (Kuw.) (Coccidae):					
Pinus sp. (pine)	Japan			2	Calif.*, Wash.
Pseudodiaspis yuccae (Ckll.) (Coccidae):					
Cassia sp	Mexico			1	Ariz.
Pseudoparlatoria ostreata Ckll. (Coccidae):					
Odontoglossum grande (orchid)	Guatemala			1	Calif.*
Oncidium urophyllum (orchid)	Leeward Islands			1	N. J.
Opuntia sp	Guatemala			1	N. J.
Philodendron sp	Mexico			1	Calif.*
Psila rosae (F.) (Psilidae):					
Apium graveolens (celery)	England, Ireland, Sweden.		4		Ala., Pa., Tex.
Apium graveolens rapaceum (celeriac)	Netherlands, Norway, Sweden.		4		La., Tex.
Brassica rapa (turnip)	England		1		Tex.
Cynara cardunculus (cardoon)	Italy			1	N. Y.
Daucus carota (carrot)	England, France, Ireland, Martinique, Netherlands, Spain, Sweden, unknown, Wales.		26		Calif.*, La., N. Y., Tex.
Pastinaca sativa (parsnip)	Denmark		1		Tex.
Soil with chrysanthemum plant	France			1	N. Y.
Soil with carrots	England, Scotland		3		Tex.

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Pteleobius vittatus (F.) (Scolytidae):					
Ulmus sp. (elm)	England	1			N. Y.
Ptochoryctis tsugensis Kearf. (Xyloryctidae):					
Pinus sp. (pine)	Japan			1	Calif.*
Pulvinaria psidii Mask. (Coccidae):					
Vanda sp. (orchid)	Philippines			1	Calif.*
Puto mexicanus (Ckll.) (Coccidae):					
Orchid	Mexico			2	Tex.
Pyrausta nubilalis (Hbn.) (Pyraustidae):					
Capsicum frutescens (pepper)	Italy	1			N. Y.
Sorghum vulgare (sorghum)	India		1		Mass.
Sorghum vulgare technicum (broomcorn)	Hungary, Italy	3			Mass., N. Y., Ohio.
Raphidopalpa femoralis Mots. (Chrysomelidae):					
Juniperus sp. (juniper)	Japan			2	Wash.
Renocis mexicanus Blkm. (Scolytidae):					
Merostachys sp	Mexico	1			Ariz.
Reticulitermes flavipes (Kol.) (Rhinotermitidae):					
Laelia anceps (orchid)	do			1	Tex.
Orchid	do			1	Tex.
Soil around citrus tree	do			1	Tex.
Rhagoletis alternata (Fall.) (Tephritidae):					
Rosa canina (dog rose)	Sweden			1	Ohio.
Rhagoletis cerasi (L.) (Tephritidae):					
Prunus sp. (cherry)	Czechoslovakia, France, Italy, Portugal, Switzerland.	6	1		Ill., N. Y.
Rhagoletis cerasi (L.) (?) (Tephritidae):					
Prunus sp. (cherry)	Unknown	2			N. Y.
Rhagoletis pomonella (Walsh) (Tephritidae):					
Malus sylvestris (apple)	Mexico	2			Tex.
Rhagoletis pomonella (Walsh) (?) (Tephritidae):					
Crataegus sp. (thornapple)	do	1			Tex.
Malus sylvestris (apple)	do	1			Tex.
Rhagoletis striatella (?) Wulp (Tephritidae):					
Physalis sp. (husk tomato)	do	1			Tex.
Rhinoncus bruchoides (Hbst.) (Curculionidae):					
Crataegus sp	Germany			1	N. J.
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Rhinoncus pericarpius (L.) (Curculionidae):					
Moss and soil packing	Norway	1			N. Y.
Rhinoncus perpendicularis (Reich.) (Curculionidae):					
Vitis sp. (grape)	Italy			1	N. J.
Rhopalophora incrustata Chevr. (Cerambycidae):					
Sambucus sp	Mexico	1			N. Y.
Rhopalosiphoninus tulipaella Theob. (Aphidae):					
Crocus sp	Netherlands	1			Fla.*
Tulipa sp. (tulip)	do	1			Fla.*
Rhopobota naevana (Hbn.) (Olethreutidae):					
Vaccinium sp	Finland			1	Wash.
Rhynchaenus fagi L. (Curculionidae):					
Crataegus sp	Germany			1	N. J.
Ribua innoxia Hein. (Phycitidae):					
Ananas comosus (pineapple)	Cuba	4			N. Y., Tex.
Rutidosoma fallax (Otto) (Curculionidae):					
Crataegus sp	Germany			2	N. J.
Scolopostethus affinis (Schill.) (Lygaeidae):					
Primula sp	England			1	Wash.
Scolytus intricatus (Ratz.) (Scolytidae):					
Quercus sp. (oak)	Netherlands	1			Pa.
Scolytus rugulosus Ratz. (Scolytidae):					
Prunus persica (peach)	Mexico	1			Calif.
Sericophanes ocellatus Reuter (Miridae):					
Dianthus sp. (pink)	do	2			Tex.
Sesamia cretica Led. (Phalaenidae):					
Sorghum vulgare technicum (broomcorn)	Italy	16			Mass., N. Y.
Setomorpha rutella (Zell.) (Tineidae):					
Areca catechu (betel palm)	Philippines	1			Hawaii.*
Lilium sp. (lily)	Mexico			1	Tex.
Orchid	do			1	Tex.
Stenocactus sp. (cactus)	do			1	Tex.

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Sibine stimulea (Clem.) (Limacodidae):					
Musa paradisiaca sapientum (banana)	Costa Rica	1			Calif.*
Sibinia potentillae Germ. (Curculionidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Sinoxylon anale Lesne (Bostrichidae):					
Gossypium sp. (cottonseed)	Anglo-Egyptian Sudan	1			Va.
Twig basket	Philippines	1			Hawaii.*
Wood	India	3			N. Y.
Sinoxylon sexdentatum (Oliv.) (Bostrichidae):					
Nerium sp	Portugal	1			Va.
Sisamnes contractus Dist. (Lygaeidae):					
Ananas comosus (pineapple)	Mexico	2			Tex.
Orchid	do			1	Tex.
Sitona lineata (L.) (Curculionidae):					
Malus sylvestris (apple)	Netherlands		1		N. Y.
Narcissus sp	do			1	N. J.
Rhododendron sp	do			1	N. J.
Shrub	do			1	N. J.
Sizeonotus luteiceps Reut. (Miridae):					
Cactus	Mexico			11	Tex.
Mammillaria compressa rosea (cactus)	do			1	Tex.
Mammillaria magnimamma	do			1	Calif.*
Mammillaria sp	do			1	Tex.
Sosylus terminalis Sharp (Colydiidae):					
Spondias sp	Venezuela	1			N. Y.
Sparteus villosus (F.) (Bruchidae):					
Cytisus scoparius (Scotch broom)	Denmark			1	N. Y.
Laburnum anagyroides	Italy			1	D. C.
Specularius impressithorax (Pic) (Bruchidae):					
Erythrina sp	Belgian Congo			1	N. J.
Sphenarches caffer (Zell.) (Pterophoridae):					
Cajanus cajan (pigeonpea)	Puerto Rico	3			N. Y.
Stenoma anonella Sepp. (Stenomidae):					
Annona muricata (sourson)	Honduras, Venezuela	1	1		La., N. Y.
Stenoma catenifer (Wlsm.) (Stenomidae):					
Persea americana (avocado)	Canal Zone, Panama, Mexico, Nicaragua, Salvador, Venezuela.	16	2		Ala., Calif.,* N. Y., Tex.
Stenygrinum quadrinotatum Bates (Cerambycidae):					
Gossypium sp. (seed cotton)	India	1			N. Y.
Stephanitis pyroides (Scott) (Tingidae):					
Rhododendron sp.	Japan			2	Wash.
Stephanoderes lecontei Hopk. (?) (Scolytidae):					
Cattleya sp. (orchid)	Canal Zone			1	N. J.
Stephanopachys rugosus (Oliv.) (Bostrichidae):					
Pinus sp. (pine)	Cuba	1			N. Y.
Stilodes caelebs (Stal) (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Strophosoma melanogrammus Forst. (Curculionidae):					
Dianthus sp	Denmark			1	N. J.
Strophosoma rufipes Steph. (Curculionidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Synchlora aerata (F.) (Geometridae):					
Chrysanthemum parthenium (feverfew)	Mexico	1			Tex.
Herb	Bermuda	1			Va.
Systole gepiculata Foerst. (Eurytomidae):					
Coriandrum sativum (coriander)	Mexico	1			Ariz.
Taeniothrips ericae (Hal.) (Thripidae):					
Erica sp. (heath)	England			1	N. J.
Taeniothrips hawaiiensis (Morg.) (Thripidae):					
Canavalia sp	Hawaii	6			Calif.*
Gardenia sp	do	2			Calif.*
Multiflowered lei	do	1			Wash.
Taeniothrips simplex (Mor.) (Thripidae):					
Gladiolus sp	Canada, Central America, Mexico, Netherlands, unknown.	1	2	3	La., N. J., Tex.
Rosa sp. (rose)	Central America		1		La.
Talponia batesi Hein. (Olethreutidae):					
Annona cherimola (cherimoya)	Mexico	1			Tex.

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"Targionia" bromiliae (Leon.) (Coccidae):					
Ananas comosus (pineapple)	Azores, Mexico	20			N. Y., Tex.
"Targionia" hartii (Ckll.) (Coccidae):					
Dioscorea sp. (yam)	Barbados, Dominica, Puerto Rico, St. Kitts, St. Vincent, Virgin Islands, West Indies.	8			Fla.*, Ill., N. Y.
"Targionia" sacchari (Ckll.) (Coccidae):					
Gramineae	Guam	1			Calif.*
Grass	Saipan	1			Calif.*
Gynerium sp	Costa Rica			1	D. C.
Saccharum officinarum (sugarcane)	Puerto Rico	3			N. Y.
Targionia yuccarum (Ckll.) (Coccidae):					
Sedum sp	Mexico			1	Calif.*
Tempyra biguttula Stal (Lygaeidae):					
Laelia anceps (orchid)	do			1	Tex.
Tenthecoris angustimarginatus Hsiao & Sailer (Miridae):					
Laelia anceps (orchid)	do			1	Tex.
Orchid	do			9	Tex.
Tenthecoris balloui Hsiao & Sailer (Miridae):					
Miltonia vexillaria (orchid)	Colombia			1	Calif.*
Tenthecoris bicolor Scott (Miridae):					
Cattleya harrisoniana (orchid)	Brazil			1	Calif.*
Cattleya labiata	do			2	N. J.
Cattleya sp	do			5	N. J.
Laelia purpurata (orchid)	do			3	Calif.*, N. J.
Laelia sp	do			2	N. J.
Orchid	do			5	Fla., P. R. Tex., Wash.
Sophronitis sp. (orchid)	do			1	N. J.
Tenthecoris columbiensis Hsiao & Sailer (Miridae):					
Cattleya sp. (orchid)	Colombia			1	Fla.
Tenthecoris confusus Hsiao & Sailer (Miridae):					
Cattleya sp	Guatemala			1	Tex.
Laelia anceps (orchid)	Mexico			1	Tex.
Laelia sp	Honduras, Mexico			3	Tex.
Orchid	Mexico			14	Tex.
Tenthecoris distinctus Hsiao & Sailer (Miridae):					
Orchid	Guatemala, Mexico			13	Calif.*, Fla., Tex.
Stanhopea sp. (orchid)	Guatemala			1	Fla.
Tenthecoris distinguendus Hsiao & Sailer (Miridae):					
Epidendrum atropurpureum (orchid)	Canal Zone			2	Fla.*
Tenthecoris exitiosus (Dist.) (Miridae):					
Cattleya sp. (orchid)	Brazil, Colombia			6	Fla., N. J.
Orchid	Brazil			1	N. J.
Tenthecoris venezuelensis (Hsiao & Sailer) (Miridae):					
Cattleya gaskelliana (orchid)	Venezuela			2	N. J.
Cattleya gigas	Colombia			1	Fla.
Cattleya mossiae	Venezuela			2	Fla.
Cattleya percivaliana	do			2	Fla., N. J.
Cattleya sp	Soldier's mail, Venezuela.			22	Fla., N. J.
Orchid	Argentina, Brazil, Venezuela.			6	La., N. J., P. R.
Tenthecoris vestitus (Dist.) (Miridae):					
Odontoglossum grande (orchid)	Guatemala			1	Fla.
Orchid	Costa Rica			1	Fla.
Tephritis genalis (Thoms.) (Tephritidae):					
Airplane	Mexico		1		Tex.
Tetraleurodes mori (Q.) (Aleyrodidae):					
Citrus sinensis (orange)	do	5			Tex.
Citrus sp	do	4			Tex.
Dahlia sp	do	1			Ariz.
Hibiscus sp	do			1	Ariz.
Leaf	do	1			Ariz.
Psidium guajava (guava)	do	1			Tex.

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Texananus spatulatus (Van Duzee)(Cicadellidae):					
Lilium sp. (lily)	do	1			Tex.
Thrips angusticeps Uzel (Thripidae):					
Cichorium intybus (escarol)	France		1		N. Y.
Thrips fuscipennis Hal. (Thripidae):					
Dianthus sp. (carnation)	England	1			N. Y.
Thyanta perditor (F.) (Pentatomidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	1			N. Y.
Trialeurodes vaporariorum (Westw.) (Aleyrodidae):					
Ageratum sp	Netherlands			1	N. J.
Leaf	Brazil			1	D. C.
Trichobaris mucorea (Lec.) (Curculionidae):					
Solanum melongena (eggplant)	Mexico	2			Ariz.
Trionymus lounsburyi (Brain) (Coccidae):					
Trichocaulon officinale	Union of South Africa			1	Calif.*
Trochuda raspa (Druce) (Pericopidae):					
Orchid	Mexico			1	Tex.
Tychius inermis Csy. (Curculionidae):					
Tillandsia usneoides (Spanish moss)	do	1			Tex.
Tillandsia sp	do			1	Tex.
Typhlocyba froggatti Bak. (Cicadellidae):					
Malus sylvestris (apple)	Argentina	1			N. Y.
Tytthomimus rufotestaceus Champ. (Curculionidae):					
Orchid	Mexico			1	Tex.
Ulopa reticulata (F.) (Cicadellidae):					
Moss and forest litter around rhododendron	Netherlands			1	N. J.
Unaspis citri (Comst.) (Coccidae):					
Citrus paradisi (grapefruit)	Bahamas, Jamaica	1	1		Fla.*
Citrus sinensis (orange)	Colombia, Trinidad		2		Fla.*
Citrus sp	Brazil, Curacao	1	1		Fla.*
Unaspis euonymi (Comst.) (Coccidae):					
Euonymus sp	Mexico	1			Tex.
Unaspis yanonensis (Kuw.) (Coccidae):					
Citrus reticulata (Mandarin orange)	Japan	1			Minn.
Vesiculaphis caricis (Fullaway) (Aphidae):					
Rhododendron sp	do			1	Calif.*
Vinsonia stellifera (Westw.) (Coccidae):					
Achras zapota (sapodilla)	Haiti	1			Fla.*
Antidesma bunius (bignay China laurel)	Canal Zone			1	Fla.
Aspasia sp. (orchid)	do			1	N. J.
Bay (?)	Puerto Rico	1			Fla.*
Broughtonia sp. (orchid)	Jamaica			1	Fla.
Citrus sp	Puerto Rico	1			Fla.*
Epidendrum ciliare (orchid)	Leeward Islands			1	N. J.
Epidendrum sp.	British Guiana			1	N. J.
Gongora sp. (?) (orchid)	Trinidad			1	N. J.
Laurus nobilis (Grecian laurel)	Barbados	1			Fla.*
Oncidium sp. (orchid)	Canal Zone			2	Fla., N. J.
Orchid	British Guiana, French Guiana, Trinidad.			4	Ala., Fla., N. J., P. R.
Schomburgkia sp. (orchid)	British Guiana			1	N. J.
Stanhopea sp. (orchid)	do			1	N. J.
Trigonidium macranthum (orchid)	Brazil			1	D. C.
Xanthonia guatemalensis Jac. (Chrysomelidae):					
Rosa sp	Guatemala	1			Tex.
Xyleborus testaceus (Wlk.) (Scolytidae):					
Acacia koa (koa acacia)	Hawaii	1			Calif.*
Xylobiops parilis Lesne (Bostrichidae):					
Bamboo	Mexico	1			Ariz.
Xylobiops texanus (Horn) (Bostrichidae):					
Airplane	do		2		Tex.
Xylopsocus castanoptera (Fairm.) (Bostrichidae):					
Twig	Hawaii	1			Calif.*

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Zabrotes subfasciatus (Boh.) (Bruchidae):					
Bean	Mexico, Peru	8		1	D. C., Tex.
Chrysanthemum maximum (shasta daisy)	Mexico	1			Tex.
Lycopersicon esculentum (tomato)	do	1			Tex.
Orchid	do			1	Tex.
Mandado bag	do	1			Tex.
Phaseolus sp. (bean)	do	1			Calif.*
Zamagiria deia Dyar (Phycitidae):					
Achras zapota (sapodilla)	Cuba	1			N. Y.
Zygogramma obscrufasciata Jac. (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Zygogramma piceicollis (Stal) (Chrysomelidae):					
Epidendrum sp. (orchid)	do			1	Calif.*
Laelia majalis (orchid)	do			1	Tex.
Laelia sp	do			1	Tex.
Orchid	do			2	Tex.

Hosts and insects

ACACIA:
- *Mimosestes sallaei* (Coleoptera)
- *Xyleborus testaceus* (Coleoptera)

ACER:
- *Parlatoria theae* (Homoptera)
- *Periphyllus horridus* (?) (Homoptera)

ACHIMENES:
- *Hofmannophila pseudospretella* (Lepidoptera)

ACHRAS:
- *Asterolecanium pustulans* (Homoptera)
- *Anastrepha serpentina* (Diptera)
- *Coccus viridis* (Homoptera)
- *Vinsonia stellifera* (Homoptera)
- *Zamagiria deia* (Lepidoptera)

AERIDES:
- *Callispa duodecimmaculata* (Coleoptera)

AGERATUM:
- *Trialeurodes vaporariorum* (Homoptera)

ALLIUM SATIVUM:
- *Aceria tulipae* (Acarina)
- *Brachycerus albidentatus* (Coleoptera)
- *Brachycerus algirus* (Coleoptera)

ALYXIA:
- *Ceroplastes rubens* (Homoptera)
- *Lepidosaphes uniloba* (Homoptera)

ANANAS:
- *Alpheias conspirata* (Lepidoptera)
- *Ereunetis flavistrata* (Lepidoptera)
- *Lyctus caribeanus* (Coleoptera)
- *Metamasius sericeus carbonarius* (Coleoptera)
- *Olibrus submaculatus* (Coleoptera)
- *Phyllophaga alquizara* (Coleoptera)
- *Platoecticus symmicta* (Lepidoptera)
- *Platynota rostrana* (Lepidoptera)
- *Pseudococcus palmarum* (Homoptera)
- *Ribua innoxia* (Lepidoptera)
- *Sisamnes contractus* (Hemiptera)
- *"Targionia" bromiliae* (Homoptera)

ANEMONE:
- *Nemapogon granella* (Lepidoptera)

ANNONA:
- *Aspidiotus destructor* (Homoptera)
- *Stenoma anonella* (Lepidoptera)
- *Talponia batesi* (Lepidoptera)

ANTHURIUM:
- *Pinnaspis buxi* (Homoptera)
- *Protopulvinaria longivalvata* (Homoptera)

ANTIDESMA:
- *Vinsonia stellifera* (Homoptera)

ANTIRRHINUM:
- *Frankliniella insularis* (Thysanoptera)

APIUM:
- *Barathra brassicae* (Lepidoptera)
- *Euleia heraclei* (Diptera)
- *Lixus mucronatus* (Coleoptera)
- *Psila rosae* (Diptera)

ARACEAE:
- *Chrysomphalus nigropunctatus* (Homoptera)

ARECA:
- *Setomorpha rutella* (Lepidoptera)

ARTOCARPUS:
- *Aleurocanthus woglumi* (Thysanoptera)

ASPASIA:
- *Vinsonia stellifera* (Homoptera)

BAMBOO:
- *Amphicerus cornutus* (Coleoptera)
- *Asterolecanium bambusae* (Homoptera)
- *Dinoderus brevis* (Coleoptera)
- *Dinoderus pilifrons* (Coleoptera)
- *Eucalandra setulosa* (Coleoptera)
- *Xylobiops parilis* (Coleoptera)

BETA VULGARIS:
- *Cassida vittata* (Coleoptera)
- *Mecinus pyraster* (Coleoptera)

BETA VULGARIS CICLA:
- *Conotrachelus seniculus* (Coleoptera)
- *Creontiades femoralis* (Hemiptera)

BORASSUS:
- *Halimococcus borassi* (Homoptera)

BRASSAVOLA:
- *Furcaspis biformis* (Homoptera)
- *Pseudischnaspis alienus* (Homoptera)

BRASSICA OLERACEA BOTRYTIS:
- *Evergestis forficalis* (Lepidoptera)
- *Nysius raphanus* (Hemiptera)
- *Phyllotreta cruciferae* (Coleoptera)

BRASSICA OLERACEA CAPITATA:
- *Elaphria chalcedonio* (Lepidoptera)
- *Evergestis forficalis* (Lepidoptera)
- *Nysius minutus* (Hemiptera)
- *Nysius simulans* (Hemiptera)
- *Phyllotreta cruciferae* (Coleoptera)
- *Pieris brassicae* (Lepidoptera)

BRASSICA RAPA:
- *Brachyrhinus porcatus* (Coleoptera)
- *Hellula phidilealis* (Lepidoptera)
- *Loxostege similalis* (Lepidoptera)
- *Lygus elisus* (Hemiptera)

Hosts and insects—Continued

BRASSICA RAPA—Continued
Nysius minutus (Hemiptera)
Nysius raphanus (Hemiptera)
Psila rosae (Diptera)
BRASSICA SP. (mustard)
Barathra brassicae (Lepidoptera)
Cyrtopeltis varians (Hemiptera)
Evergestis rimosalis (Lepidoptera)
Loxostege similalis (Lepidoptera)
Nabis alternatus (Hemiptera)
Nysius minutus (Hemiptera)
Nysius raphanus (Hemiptera)
BROMELIA:
Crophius scabrosus (Hemiptera)
BROUGHTONIA:
Vinsonia stellifera (Homoptera)
BRYOPHYLLUM:
Aleurocanthus woglumi (Homoptera)
CACTUS:
Lepidosaphes philococcus (Homoptera)
Mimorista flavidissimalis (Lepidoptera)
Moneilema ebenus var. (Coleoptera)
Nysius calliger (Hemiptera)
Ogdoecosta biannularis (Coleoptera)
Sireonotus luteiceps (Hemiptera)
CAESALPINIA:
Mimosestes dominicana (Coleoptera)
CAJANUS:
Acanthoscelides armitagei (Coleoptera)
Ancylostomia stercorea (Lepidoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Diaprepes abbreviatus (Coleoptera)
Elasmopalpus lignosellus (Lepidoptera)
Fundella pellucens (Lepidoptera)
Maruca testulalis (Lepidoptera)
Platynota rostrana (?) (Lepidoptera)
Sphenarches caffer (Lepidoptera)
Thyanta perditor (Hemiptera)
CALADIUM:
Corcyra cephalonica (Lepidoptera)
CALLUNA:
Chaetarthria seminulum (Coleoptera)
CALOCARPUM:
Anastrepha serpentina (Diptera)
CAMELLIA:
Aspidiotus degeneratus (Homoptera)
Ceroplastes ceriferus (Homoptera)
Ceroplastes japonicus (Homoptera)
Parlatoria camelliae (Homoptera)
CANAVALIA:
Haplothrips gowdeyi (Thysanoptera)
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
Taeniothrips hawaiiensis (Thysanoptera)
CANNABIS:
Coptorhynchus iliganus (Coleoptera)
CAPSICUM:
Cerotitis capitata (Diptera)
Cyrtocapsus caligineus (Hemiptera)
Dacus cucurbitae (Diptera)
Estigmene acrea (Lepidoptera)
Exptochiomera albomaculata (Hemiptera)
Gnorimoschema gudmannella (Lepidoptera)
Ligyrocoris abdominalis (Hemiptera)
Ligyrocoris nitidicollis (Hemiptera)
Liriomyza pusilla (Diptera)
Platynota rostrana (Lepidoptera)
Platynota stultana (Lepidoptera)
Prodenia eridania (Lepidoptera)
Pyrausta nubilalis (Lepidoptera)
CARICA:
Aonidiella inornata (Homoptera)
Dacus dorsalis (Diptera)
CASIMIROA:
Anastrepha ludens (Diptera)
CASSIA:
Caryedon fuscus (Coleoptera)
Pseudodiaspis yuccae (Homoptera)
CASTANEA:
Curculio elephas (Coleoptera)
Laspeyresia splendana (Lepidoptera)
Phymatodes lividus (Coleoptera)
CATASETUM:
Stephanoderes lecontei (Coleoptera)
CATTLEYA:
Amyssonotum rastratum flexum (Hemiptera)
Asterolecanium epidendri (Homoptera)
Autoserica castanea (Coleoptera)
Chrysomphalus tenax (Homoptera)
Clerada apicornis (Hemiptera)
Coccus pseudohesperidum (Homoptera)
Conchaspis angraeci (Homoptera)
Cryphula apicatus (Hemiptera)
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Heraeus cincticornis (Hemiptera)
Lecaniodiaspis dendrobii (Homoptera)
Lygaeus guatemalanus (Hemiptera)
Lygaeus vittiscutis (Hemiptera)
Mecolaemus carvalhoi (Hemiptera)
Microtheca ochroloma (Coleoptera)
Monomorium destructor (Hymenoptera)
Mormidea v-luteum (Hemiptera)
Protopulvinaria longivalvata (Homoptera)
Pseudischnaspis alienus (Homoptera)
Tenthecoris bicolor (Hemiptera)
Tenthecoris columbiensis (Hemiptera)
Tenthecoris confusus (Hemiptera)
Tenthecoris exitiosus (Hemiptera)
Tenthecoris venezuelensis (Hemiptera)
CEREUS:
Cactobrosis longipennella (Lepidoptera)
CHRYSANTHEMUM:
Amorbia emigratella (Lepidoptera)
Anuraphis helichrysi (Homoptera)
Aphis medicaginis (Homoptera)
Disonycha leptolineata texana (Coleoptera)
Exptochiomera oblonga (Hemiptera)
Franklinothrips vespiformis (Thysanoptera)
Geocoris flavilineus (Hemiptera)
Iridomyrmex humilis (Hymenoptera)
Ligyrocoris auriviliana (Hemiptera)
Lygus oblineatus (Hemiptera)
Nysius raphanus (Hemiptera)
Synchlora aerata (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)
CICER:
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Corcyra cephalonica (Lepidoptera)
CICHORIUM:
Napomyza lateralis (Diptera)
Phytomyza atricornis (Diptera)
Thrips angusticeps (Thysanoptera)
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Ceratitis capitata (?) (Diptera)
Chrysomphalus scutiformis (Homoptera)
Coccus viridis (Homoptera)
Dysdercus mimulus (Hemiptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
CITRUS GRANDIS:
Ceratitis capitata (Diptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria citri (Homoptera)
Parlatoria zizyphus (Homoptera)
CITRUS LIMON:
Leucaspis cockerelli (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
CITRUS LIMON PONDEROSA:
Ceratitis capitata (Diptera)
CITRUS PARADISI:
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Aonidiella citrina (Homoptera)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
CITRUS RETICULATA:
Ceratitis capitata (Diptera)
Parlatoria zizyphus (Homoptera)
Unaspis yanonensis (Homoptera)

Hosts and insects—Continued

CITRUS SINENSIS:
Aleurocanthus woglumi (Homoptera)
Aleurotrachelus citri (Homoptera)
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Aspidiotus excisus (Homoptera)
Aspidiotus palmae (Homoptera)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Leucaspis cockerelli (Homoptera)
Paraleyrodes singularis (?) (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Tetraleurodes mori (Homoptera)
Unaspis citri (Homoptera)
CITRUS SP.:
Aleurocanthus woglumi (Homoptera)
Aleurothrixus floccosus (Homoptera)
Aleurotuberculatus aucubae (Homoptera)
Ceroplastes japonicus (Homoptera)
Ceroplastes rubens (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes citrifolii (Homoptera)
Paraleyrodes naramjae (Homoptera)
Tetraleurodes mori (Homoptera)
Unaspis citri (Homoptera)
Vinsonia stellifera (Homoptera)
COCOS:
Aonidiella inornata (Homoptera)
Aspidiotus coryphae (Homoptera)
Aspidiotus destructor (Homoptera)
Aspidiotus spinosus (Homoptera)
Chrysomphalus albopictus (Homoptera)
Chrysomphalus personatus (Homoptera)
Dacus dorsalis (?) (Diptera)
Furcaspis oceanicus (Homoptera)
Phenacaspis sandwicensis (?) (Homoptera)
Pseudococcus palmarum (Homoptera)
CODIAEUM:
Asterolecanium pustulans (Homoptera)
Coccus copparidis (Homoptera)
Lepidosaphes tokionis (Homoptera)
Parlatoria crotonis (Homoptera)
COFFEA:
Coccus viridis (Homoptera)
CORIANDRUM:
Cardioscarta miniaticeps (Homoptera)
Systole geniculata (Hymenoptera)
CORYPHANTHA:
Gerstaeckeria bifasciata (Coleoptera)
CRATAEGUS:
Acalypta musci (Hemiptera)
Apion flavipes (Coleoptera)
Grapholitha packardi (Lepidoptera)
Gymnaetron beccabungae nigrum (Coleoptera)
Hypera pedestris (Coleoptera)
Hypera rumicis (Coleoptera)
Lema cyanella (Coleoptera)
Lema melanopa (Coleoptera)
Phyllotreta atra (Coleoptera)
Phyllotreta undulata (Coleoptera)
Phytobius quadrituberculatus (Coleoptera)
Rhagoletis pomonella (?) (Diptera)
Rhinoncus bruchoides (Coleoptera)
Rhynchaenus fagi (Coleoptera)
Rutidosoma fallax (Coleoptera)
CROCUS:
Rhopalosiphoninus tulipaella (Homoptera)
CRYPTOMERIA:
Aspidiotus cryptomeriae (Homoptera)
CUCUMIS:
Dacus cucurbitae (Diptera)
Diaphania nitidalis (Lepidoptera)
CUCURBITA:
Dacus cucurbitae (Diptera)
Diaphania hyalinata (Lepidoptera)
Diaphania nitidalis (Lepidoptera)
CUPRESSUS:
"Poliaspis" pini (Homoptera)
CYDONIA:
Anastrepha ludens (Diptera)
Aspidiotus diffinis (Homoptera)
Ceratitis capitata (Diptera)
CYMBIDIUM:
Eutornicus congener (Coleoptera)
Furcaspis biformis (Homoptera)
Lepidosaphes tuberculata (Homoptera)
Lethaeus aeruginosus (Hemiptera)
CYMBIDIUM—Continued
Pseudaonidia curculiginis (Homoptera)
CYNARA:
Apion carduorum (Coleoptera)
Psila rosae (Diptera)
CYPRIPEDIUM:
Coccus capparidis (Homoptera)
CYTISUS:
Sparteus villosus (Coleoptera)
DAHLIA:
Brachyrhinus sulcatus (Coleoptera)
Prodenia ornithogalli (Lepidoptera)
Tetraleurodes mori (Homoptera)
DAISY:
Chlorochroa ligata (Hemiptera)
DALBERGIA:
Nasutitermes corniger (Isoptera)
DAUCUS:
Phalonia zephyrana (Lepidoptera)
Psila rosae (Diptera)
DENDROBIUM:
Ferrisiana virgata (Homoptera)
DIANTHUS:
Anuraphis helichrysi (Homoptera)
Forficula auricularia (Dermaptera)
Haplothrips cottei (Thysanoptera)
Sericophanes ocellatus (Hemiptera)
Strophosoma melanogrammum (Coleoptera)
Thrips fuscipennis (Thysanoptera)
DIOSCOREA:
Palaeopus costicollis (Coleoptera)
"Targionia" hartii (Homoptera)
DIOSPYROS:
Ceratitis capitata (Diptera)
DRYOPTERIS:
Acalypta nyctalis (Hemiptera)
ECHEVERIA:
Chrysobothris mali (Coleoptera)
Eumysia stigmella (Lepidoptera)
ECHINOCEREUS:
Ferrisiana virgata (Homoptera)
ELEOCHARIS:
Coptotermes formosanus (Isoptera)
EPIDENDRUM:
Asterolecanium epidendri (Homoptera)
Chrysomphalus nigropunciatus (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Cleogonus armatus (Coleoptera)
Conchaspis angraeci (Homoptera)
Crophius scabrosus (Hemiptera)
Forficula auricularia (Dermaptera)
Furcaspis biformis (Homoptera)
Pseudischnaspis alienus (Homoptera)
Tenthecoris distinguendus (Hemiptera)
Vinsonia stellifera (Homoptera)
Zygogramma piceicollis (Coleoptera)
ERICA:
Taeniothrips ericae (Thysanoptera)
ERIOBOTRYA:
Ceratitis capitata (Diptera)
ERYTHRINA:
Corcyra cephalonica (Lepidoptera)
Specularius impressithorax (Coleoptera)
EUGENIA:
Anastrepha mombinpraeoptans (Diptera)
EUONYMUS:
Unaspis euonymi (Homoptera)
EUPHORBIA:
Liriomyza pusilla (Diptera)
Ferrisiana virgata (Homoptera)
EUPHORIA:
Dacus dorsalis (Diptera)
FICUS:
Ceratitis capitata (Diptera)
Ceroplastes rusci (Homoptera)
Lepidosaphes ficus (Homoptera)
FRAXINUS:
Eurytoma crassineura (Hymenoptera)
Leperisinus fraxini (Coleoptera)
GARDENIA:
Aleurocanthus woglumi (Homoptera)
Aleuroparadoxus gardeniae (Homoptera)
Aleurothrixus myrtacei (Homoptera)
Ceroplastes rubens (Homoptera)
Coccus viridis (Homoptera)
Eucalymnatus tessellatus (Homoptera)
Ferrisiana virgata (Homoptera)
Protopulvinaria longivalvata (Homoptera)

Hosts and insects—Continued

GARDENIA—Continued
Protopulvinaria pyriformis (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
GENISTA:
Haplothrips gowdeyi (Thysanoptera)
GLADIOLUS:
Chirothrips manicatus (Thysanoptera)
Nemapogon granella (Lepidoptera)
Polydontomyia curvipes (Diptera)
Taeniothrips simplex (Thysanoptera)
GONGORA:
Vinsonia stellifera (Homoptera)
GOSSYPIUM:
Corcyra cephalonica (Lepidoptera)
Pectinophora gossypiella (Lepidoptera)
Sinoxylon anale (Coleoptera)
Stenygrinum quadrinotatum (Coleoptera)
GRAMINEAE:
Antonina graminis (Homoptera)
"Targionia" sacchari (Homoptera)
GYNERIUM:
"Targionia" sacchari (Homoptera)
HEDYSARUM:
Bruchidius gilvus (Coleoptera)
HELICHRYSUM:
Ferrisiana virgata (Homoptera)
HERITIERA:
Cyamobolus palawanicus (Coleoptera)
HIBISCUS:
Callosobruchus maculatus (Coleoptera)
Ferrisiana virgata (Homoptera)
Pealius hibisci (Homoptera)
Pectinophora gossypiella (Lepidoptera)
Phenacoccus gossypii (Homoptera)
Pseudaonidia clavigera (Homoptera)
Tetraleurodes mori (Homoptera)
HYACINTHUS:
Forficula auricularia (Dermaptera)
ILEX:
Anastrepha mombinpraeoptans (Diptera)
IPOMOEA:
Cylas formicarius (Coleoptera)
Cylas formicarius subspecies (?) (Coleoptera)
Cylas formicarius var. (Coleoptera)
Cylas formicarius elegantulus (Coleoptera)
Cylas puncticollis (Coleoptera)
Euscepes postfasciatus (Coleoptera)
Megacerus contaminatus (Coleoptera)
Phenacoccus gossypii (Homoptera)
IRESINE:
Ceroplastes cirripediformis (Homoptera)
IRIS:
Endrosis lactella (Lepidoptera)
JASMINUM:
Aonidiella citrina (Homoptera)
JUNIPERUS:
Lepidosaphes pallida (Homoptera)
Raphidopalpa femoralis (Coleoptera)
KERRIA:
Allantus cinctus (Hymenoptera)
KHAYA:
Cordylomera spinicornis (Coleoptera)
Fulvius oxycarenoides (Hemiptera)
LABURNUM:
Sparteus villosus (Coleoptera)
LAELIA:
Acroleucus vicinalis (Hemiptera)
Asterolecanium epidendri (Homoptera)
Calligrapha diversa (Coleoptera)
Chrysomphalus nigropunctatus (Homoptera)
Coccus pseudohesperidum (Homoptera)
Crophius costatus (Hemiptera)
Crophius scabrosus (Hemiptera)
Diorymerellus laevimargo (Coleoptera)
Dysdercus mimulus (Hemiptera)
Epilachna varivestis (Coleoptera)
Eurytoma orchidearum (Hymenoptera)
Exptochiomera albomaculata (Hemiptera)
Heraeus guttatus (Hemiptera)
Ligyrocoris abdominalis (Hemiptera)
Ozophora consanguineus (Hemiptera)
Phelypera distigma (Coleoptera)
Pseudischnaspis alienus (Homoptera)
Reticulitermes flavipes (Isoptera)
Tempyra biguttula (Hemiptera)
Tenthecoris angustimarginatus (Hemiptera)
Tenthecoris bicolor (Hemiptera)

LAELIA—Continued
Tenthecoris confusus (Hemiptera)
Zygogramma piceicollis (Coleoptera)
LARIX:
Ceroplastes japonicus (Homoptera)
LATHYRUS:
Bruchus tristiculus (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Nysius minutus (Hemiptera)
Pantomorus godmani (Coleoptera)
LAURACEAE:
Aleuroglandulus emmae (Homoptera)
LAURUS:
Pantomorus godmani (Coleoptera)
Protopulvinaria pyriformis (Homoptera)
Vinsonia stellifera (Homoptera)
LAVANDULA:
Acalypta platychila (Hemiptera)
Hofmannophila pseudospretella (Lepidoptera)
LENS:
Bruchus ervi (Coleoptera)
Bruchus lentis (Coleoptera)
Bruchus signaticornis (Coleoptera)
Bruchus ulicis (Coleoptera)
LILIUM:
Liothrips vaneeckei (Thysanoptera)
Ferrisiana virgata (Homoptera)
Setomorpha rutella (Lepidoptera)
Terananus spatulatus (Homoptera)
LIMONIUM:
Lygus oblineatus (Hemiptera)
LIVISTONA:
Aspidiotus destructor (Homoptera)
LYCASTE:
Eucactophagus aurocinctus (Coleoptera)
Plagiodera atritarsis (Coleoptera)
LYCOPERSICON:
Anelaphus truncatus (Coleoptera)
Arvelius albopunctatus (Hemiptera)
Ceratitis capitata (?) (Diptera)
Cyrtopeltis varians (Hemiptera)
Dacus cucurbitae (Diptera)
Dysdercus minulus (Hemiptera)
Exptochiomera albomaculata (Hemiptera)
Japetus sphaeroides (Hemiptera)
Ligyrocoris abdominalis (Hemiptera)
Ligyrocoris aurivilliana (Hemiptera)
Lineodes integra (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
Physonota attenuata (Coleoptera)
Platynota rostrana (Lepidoptera)
Platynota stultana (Lepidoptera)
Zabrotes subfasciatus (Coleoptera)
MALUS:
Anastrepha ludens (Diptera)
Carposina sasakii (Lepidoptera)
Ceratitis capitata (Diptera)
Grapholitha molesta (Lepidoptera)
Lecanium coryli (Homoptera)
Myelois ceratoniae (Lepidoptera)
Parlatoria oleae (Homoptera)
Rhagoletis pomonella (Diptera)
Sitona lineata (Coleoptera)
Typhlocyba froggatti (Homoptera)
MAMMEA:
Anastrepha serpentina (Diptera)
Aspidiotus spinosus (Homoptera)
MAMMILLARIA:
Gerstaeckeria mutillaria (Coleoptera)
Ferrisiana virgata (Homoptera)
Sizeonotus luteiceps (Hemiptera)
MANGIFERA:
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Aulacaspis cinnamomi (Homoptera)
Ceratitis capitata (Diptera)
Cryptorhynchus mangiferae (Coleoptera)
Dacus dorsalis (Diptera)
Phenacaspis sandwicensis (?) (Homoptera)
MEROSTACHYS:
Eucalandra setulosa (Coleoptera)
Renocis mexicanus (Coleoptera)
MILTONIA:
Ferrisiana virgata (Homoptera)
Tenthecoris balloui (Hemiptera)
MONSTERA:
Chrysomphalus tenax (Homoptera)

Hosts and insects—Continued

MORUS:
Asterolecanium pustulans (Homoptera)
Dryotribus mimeticus (Coleoptera)
Leptostylus incrassatus (Coleoptera)
Oosternum costatum (Coleoptera)
MUSA:
Aspidiotus destructor (Homoptera)
Aspidiotus palmae (Homoptera)
Aspidiotus spinosus (Homoptera)
Calligrapha multipustulata (Coleoptera)
Chrysomphalus albopictus (Homoptera)
Chrysomphalus scutiformis (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Cosmopolites sordidus (Coleoptera)
Cyrtonota tristigma (Coleoptera)
Dacus dorsalis (Diptera)
Ferrisiana virgata (Homoptera)
Lygus elisus (Hemiptera)
Mecometopus jansoni (Coleoptera)
Metamasius sericeus (Coleoptera)
Metamasius sericeus var. (Coleoptera)
Metriona tuberculata (Coleoptera)
Nasutitermes corniger (Isoptera)
Phenacoccus gossypii (Homoptera)
Physonota mexicana (Coleoptera)
Platoeceticus symmicta (Lepidoptera)
Platycarenus humilis (Hemiptera)
Sibine stimulea (Lepidoptera)
MUSCARI:
Erosoma lusitanica (Coleoptera)
NARCISSUS:
Endrosis lactella (Lepidoptera)
Sitona lineata (Coleoptera)
NEPETA:
Phytomyza obscurella nigritella (Diptera)
NERIUM:
Chaetoptelius vestitus (Coleoptera)
Morganella longispina (Homoptera)
Sinoxylon sexdentatum (Coleoptera)
OCTOMERIA:
Coccus pseudohesperidum (Homoptera)
ODONTOGLOSSUM:
Diorymerellus laevimargo (Coleoptera)
Pseudoparlatoria ostreata (Homoptera)
Tenthecoris vestitus (Hemiptera)
OLEA:
Dacus oleae (Diptera)
Eurytoma oleae (Hymenoptera)
ONCIDIUM:
Conchaspis angraeci (Homoptera)
Furcaspis biformis (Homoptera)
Pseudischnaspis alienus (Homoptera)
Pseudococcus virgata (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Vinsonia stellifera (Homoptera)
OPUNTIA:
Ceratitis capitata (Diptera)
Pseudoparlatoria ostreata (Homoptera)
ORCHID:
Acroleucus vicinalis (Hemiptera)
Acrolophus superstes (Lepidoptera)
Alcaeorrhynchus grandis (Hemiptera)
Alphesias conspirata (Lepidoptera)
Anthonomus albolineatus (Coleoptera)
Anthonomus baridioides (Coleoptera)
Asterolecanium epidendri (Homoptera)
Asterolecanium pustulans (Homoptera)
Attelabus corvinus (Coleoptera)
Berecynthus delirator (Hemiptera)
Calligrapha diversa (Coleoptera)
Calligrapha felina (Coleoptera)
Calligrapha limbaticollis (Coleoptera)
Calligrapha notatipennis (Coleoptera)
Camirus conicus (Hemiptera)
Caulophilus latinasus (Coleoptera)
Chelymorpha comata (Coleoptera)
Chrysomphalus nigropunctatus (Homoptera)
Chrysomphalus umboniferus (Homoptera)
Cleogonus armatus (Coleoptera)
Cligenes delineata (Hemiptera)
Conchaspis angraeci (Homoptera)
Coptocycla semiatrata (Coleoptera)
Crophius scabrosus (Hemiptera)
Cryphula apicatus (Hemiptera)
Diabrotica figurata (Coleoptera)
Diorymerellus laevimargo (Coleoptera)
Dysdercus ruficollis (Hemiptera)

ORCHID—Continued
Eucalandra setulosa (Coleoptera)
Eurytoma orchidearum (Hymenoptera)
Exptochiomera albomaculata (Hemiptera)
Exptochiomera tumens (Hemiptera)
Faustinus rhombifer (Coleoptera)
Fulvius anthocorides (Hemiptera)
Furcaspis biformis (Homoptera)
Galgupha punctifer (Hemiptera)
Galgupha quadrisignata (Hemiptera)
Galgupha texana (Hemiptera)
Iridomyrmex humilis (Hymenoptera)
Ligyrocoris abdominalis (Hemiptera)
Ligyrocoris litigiosus (Hemiptera)
Lygaeus circumplicatus (Hemiptera)
Lygaeus pusio (Hemiptera)
Lygaeus vittiscutis (Hemiptera)
Macrocephalus notatus (Hemiptera)
Macrocephalus stali (Hemiptera)
Macropygium reticulare (Hemiptera)
Mecolaemus carvalhoi (Hemiptera)
Metamarius sericeus carbonarius (Coleoptera)
Mormidea v-luteum (Hemiptera)
Myodocha longicollis (Hemiptera)
Nasutitermes corniger (Isoptera)
Neocattarus vegetus (Hemiptera)
Nysius basalis (Hemiptera)
Ogdoecosta biannularis (Coleoptera)
Ogdoecosta juvenca (Coleoptera)
Oosternum costatum (Coleoptera)
Oxycarenus bicolor (Hemiptera)
Ozophora consanguineus (Hemiptera)
Pachycoris torridus (Hemiptera)
Parlatoria pseudaspidiotus (Homoptera)
Phatnoma annulipes concisa (Hemiptera)
Phelypera distigma (Coleoptera)
Physonota attenuata (Coleoptera)
Plagiodera atritarsis (Coleoptera)
Plagiodera congesta (Coleoptera)
Plagiodera semivittata (Coleoptera)
Plagiodera thymaloides (Coleoptera)
Platycarenus humilis (Hemiptera)
Pseudischnaspis alienus (Homoptera)
Puto mexicanus (Homoptera)
Reticulitermes flavipes (Isoptera)
Setomorpha rutella (Lepidoptera)
Sisamnes contractus (Hemiptera)
Stilodes caelebs (Coleoptera)
Tenthecoris angustimarginatus (Hemiptera)
Tenthecoris bicolor (Hemiptera)
Tenthecoris confusus (Hemiptera)
Tenthecoris distinctus (Hemiptera)
Tenthecoris exitiosus (Hemiptera)
Tenthecoris venezuelensis (Hemiptera)
Tenthecoris vestitus (Hemiptera)
Trochuda raspa (Lepidoptera)
Tytthomimus rufotestaceus (Coleoptera)
Vinsonia stellifera (Homoptera)
Zabrotes subfasciatus (Coleoptera)
Zygogramma obscruofasciata (Coleoptera)
Zygogramma piceicollis (Coleoptera)
ORYZA:
Chilo simplex (Lepidoptera)
Corcyra cephalonica (Lepidoptera)
Prodenia ornithogalli (Lepidoptera)
OSMANTHUS:
Dialeurodes citri (Homoptera)
PALM:
Aspidiotus destructor (Homoptera)
Caryoborus serripes (Coleoptera)
Coccotrypes pygmaeus (Coleoptera)
Icerya zeteki (Homoptera)
Leucaspis cockerelli (Homoptera)
PASTINACA:
Psila rosae (Diptera)
PELARGONIUM:
Phenacoccus gossypii (Homoptera)
PERSEA:
Anastrepha ludens (Diptera)
Aspidiotus destructor (Homoptera)
Aspidiotus spinosus (Homoptera)
Caulophilus latinasus (Coleoptera)
Ceratitis capitata (?) (Diptera)
Chrysomphalus albopictus (Homoptera)
Conotrachelus aguacatae (Coleoptera)
Conotrachelus perseae (Coleoptera)
Dacus dorsalis (Diptera)
Nysius raphanus (Hemiptera)

Hosts and insects—Continued

PERSEA—Continued
Stenoma catenifer (Lepidoptera)
PETROSELINUM:
Euleia heraclei (Diptera)
PHALAENOPSIS:
Furcaspis biformis (Homoptera)
PHASEOLUS:
Acanthoscelides armitagei (Coleoptera)
Agromyza virens (Diptera)
Apion godmani (Coleoptera)
Bradybaena similaris (Mollusca)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Chlorochroa ligata (Hemiptera)
Coptocycla dorsopunctata (Coleoptera)
Dacus cucurbitae (Diptera)
Epinotia opposita (Lepidoptera)
Fundella pellucens (Lepidoptera)
Maruca testulalis (Lepidoptera)
Phytomyza atricornis (Diptera)
Zabrotes subfasciatus (Coleoptera)
PHILODENDRON:
Aspidiotus palmae (Homoptera)
Chrysomphalus tenax (Homoptera)
Furcaspis biformis (Homoptera)
Lepidosaphes carinata (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
PHOENIX:
Coccotrypes dactyliperda (Coleoptera)
PHYSALIS:
Gnorimoschema lavernella (Lepidoptera)
Nysius minutus (Hemiptera)
Rhagoletis striatella (?) (Diptera)
PHYTELEPHAS:
Coccotrypes dactyliperda (Coleoptera)
PICEA:
Dioryctria abietella (Lepidoptera)
Hylurgops palliatus (Coleoptera)
Ips typographus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Polygraphus poligraphus (Coleoptera)
PIMENTA:
Aleurotrachelus trachoides (Homoptera)
PINUS:
Callosobruchus maculatus (Coleoptera)
Ferrisiana virgata (Homoptera)
Hylurgops palliatus (Coleoptera)
Ips typographus (Coleoptera)
Molorchus minor (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Pogonocherus fasciculatus (Coleoptera)
"Poliaspis" pini (Homoptera)
Pseudococcus pini (Homoptera)
Ptochoryctis tsugensis (Lepidoptera)
Stephanopachys rugosus (Coleoptera)
PISUM:
Bruchus emarginatus (Coleoptera)
Callosobruchus analis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Frankliniella insularis (Thysanoptera)
PITHECOLLOBIUM:
Merobruchus flexicaulis (Coleoptera)
PITTOSPORUM:
Ceroplastes rubens (Homoptera)
PLUMERIA:
Aspidiotus diffinis (Homoptera)
Aspidiotus herculeanus (Homoptera)
Protopulvinaria pyriformis (Homoptera)
POGA:
Bostrychoplites cornutus (Coleoptera)
PORTULACA:
Celerio lineata (Lepidoptera)
Eutettix tenellus (Homoptera)
Heliodines bella (Lepidoptera)
Loxostege similalis (Lepidoptera)
Nysius minutus (Hemiptera)
PRIMULA:
Acalypta mera (Hemiptera)
Scolopostethus affinis (Hemiptera)
PROSOPIS:
Algarobius prosopis (Coleoptera)
PRUNUS ARMENIACA:
Ceratitis capitata (Diptera)
Grapholitha molesta (Lepidoptera)
PRUNUS DOMESTICA:
Ceratitis capitata (Diptera)
Iridomyrmex humilis (Hymenoptera)
Parlatoria oleae (Homoptera)
PRUNUS PERSICA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Ceratitis rosa (Diptera)
Grapholitha molesta (Lepidoptera)
Parlatoria oleae (Homoptera)
Scolytus rugulosus (Coleoptera)
PRUNUS SP. (cherry):
Rhagoletis cerasi (Diptera)
PRUNUS SP.:
Parlatoria theae (Homoptera)
PSIDIUM:
Anastrepha fraterculus (?) (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Anastrepha striata (Diptera)
Anastrepha suspensa (Diptera)
Dacus dorsalis (Diptera)
Tetraleurodes mori (Homoptera)
PUNICA:
Forficula auricularia (Dermaptera)
Myelois ceratoniae (Lepidoptera)
PYRUS:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Lepidosaphes conchiformis (Homoptera)
Parlatoria oleae (Homoptera)
QUERCUS:
Callirhytis sonorae (Hymenoptera)
Conotrachelus integer (Coleoptera)
Curculio q-griseae (Coleoptera)
Laspeyresia splendana (Lepidoptera)
Scolytus intricatus (Coleoptera)
RAPHANUS:
Desmothrips australis (Thysanoptera)
Evergestis rimosalis (Lepidoptera)
Hyphantria cunea (Lepidoptera)
Nysius minutus (Hemiptera)
Nysius raphanus (Hemiptera)
RHODODENDRON:
Barypeithes pellucidus (Coleoptera)
Ceroplastes rubens (Homoptera)
Chaetocnema hortensis (Coleoptera)
Dialeurodes chittendeni (Homoptera)
Gracilaria azaleella (Lepidoptera)
Pealius rhododendri (Homoptera)
Sitona lineata (Coleoptera)
Stephanitis pyroides (Hemiptera)
Vesiculaphis caricis (Homoptera)
RHYNCHOSTYLIS:
Lepidosaphes latero-chitinosa (Homoptera)
RODRIGUEZIA:
Furcaspis biformis (Homoptera)
RORIPPA:
Corimelaena minutissima (Hemiptera)
Evergestis rimosalis (Lepidoptera)
Heliodines bella (Lepidoptera)
ROSA:
Acanthoscelides quadridentatus (Coleoptera)
Allantus cinctus (Hymenoptera)
Aonidiella citrina (Homoptera)
Frankliniella insularis (Thysanoptera)
Frankliniella moultoni (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Rhagoletis alternata (Diptera)
Taeniothrips simplex (Thysanoptera)
Xanthonia guatemalensis (Coleoptera)
RUBUS:
Bembecia marginata (Lepidoptera)
SACCHARUM:
Diatraea saccharalis (Lepidoptera)
"Targionia" sacchari (Homoptera)
SAMBUCUS:
Micrapate labialis (Coleoptera)
Pityophthorus coronarius (Coleoptera)
Rhopalophora incrustata (Coleoptera)
SAPOTE:
Anastrepha ludens (Diptera)
SCHOMBURGKIA:
Furcaspis biformis (Homoptera)
Lepidosaphes tuberculata (Homoptera)
Vinsonia stellifera (Homoptera)
SCILLA:
Endrosis lactella (Lepidoptera)

Hosts and insects—Continued

SEDUM:
Targionia yuccarum (Homoptera)
SMILAX:
Pseudaonidia tesserata (Homoptera)
SOIL:
Anastrepha suspensa (Diptera)
Cassida flaveola (Coleoptera)
Ceutorhynchus quadridens (Coleoptera)
Dalopius marginatus (Coleoptera)
Hypera postica (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Pantomorus godmani (Coleoptera)
Phyllobius intrusus (Coleoptera)
Pnyxia scabiei (Diptera)
Psila rosae (Diptera)
Reticulitermes flavipes (Isoptera)
SOLANUM MELONGENA:
Trichobaris mucorea (Coleoptera)
SOLANUM TUBEROSUM:
Epicaerus cognatus (Coleoptera)
Gnorimoschema plaesiosema (Lepidoptera)
Premnotrypes solani (?) (Coleoptera)
Premnotrypes vorax (Coleoptera)
SOPHRONITIS:
Tenthecoris bicolor (Hemiptera)
SORBUS:
Parlatoria oleae (Homoptera)
SORGHUM:
Diatraea saccharalis (Lepidoptera)
Hofmannophila pseudospretella (Lepidoptera)
Pyrausta nubilalis (Lepidoptera)
Sesamia cretica (Lepidoptera)
SPINACIA:
Nysius minutus (Hemiptera)
SPONDIAS:
Amphicerus cornutus (Coleoptera)
Anastrepha mombinpraeoptans (Diptera)
Aspidiotus destructor (Homoptera)
Aspidiotus herculeanus (Homoptera)
Brentus anchorago (Coleoptera)
Dryoctenes scrupulosus (Coleoptera)
Dysides obscurus (Coleoptera)
Sosylus terminalis (Coleoptera)
STANHOPEA:
Tenthecoris distinctus (Hemiptera)
Vinsonia stellifera (Homoptera)
STENOCACTUS:
Setomorpha rutella (Lepidoptera)
STENOLOBIUM:
Coccus viridis (Homoptera)
STRELITZIA:
Phenacaspis sandwicensis (?) (Homoptera)
Pinnaspis buxi (Homoptera)
SYNGONIUM:
Pinnaspis buxi (Homoptera)
SYRINGA:
Aonidiella citrina (Homoptera)
TAMARINDUS:
Caryedon fuscus (Coleoptera)
Myelois ceratoniae (Lepidoptera)
TAMARIX:
Ceroplastes japonicus (Homoptera)
TILIA:
Ernoporus tiliae (Coleoptera)
TILLANDSIA:
Tychius inermis (Coleoptera)
TRICHOCAULON:
Trionymus lounsburyi (Homoptera)
TRICHOGLOTTIS:
Ferrisiana virgata (Homoptera)
TRIGONIDIUM:
Vinsonia stellifera (Homoptera)
TULIPA:
Endrosis lactella (Lepidoptera)
Nemapogon granella (Lepidoptera)
Rhopalosiphoninus tulipaella (Homoptera)
ULEX:
Hofmannophila pseudospretella (Lepidoptera)
ULMUS:
Pteleobius vittatus (Coleoptera)
VACCINIUM:
Rhopobota naevana (Lepidoptera)
VANDA:
Ferrisiana virgata (Homoptera)
Furcaspis biformis (Homoptera)
Meristata dohrni (Coleoptera)
Meristata trifasciata (Coleoptera)
Parlatoria pseudaspidiotus (Homoptera)
Pseudaonidia tesserata (Homoptera)
Pseudococcus lilacinus (Homoptera)
Pulvinaria psidii (Homoptera)
VICIA:
Apion craccae (Coleoptera)
Apion pomonae (Coleoptera)
Bruchidius incarnatus (Coleoptera)
Bruchus brachialis (Coleoptera)
Bruchus dentipes (Coleoptera)
Bruchus guttalis (Coleoptera)
Bruchus luteicornis (Coleoptera)
Bruchus rufipes (Coleoptera)
Bruchus tristiculus (Coleoptera)
Callosobruchus chinensis (Coleoptera)
VIGNA:
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
VITIS:
Ceratitis capitata (Diptera)
Euxesta quaternaria (Diptera)
Lema bilineata (Coleoptera)
Leptoglossus chilensis (Hemiptera)
Parlatoria oleae (Homoptera)
Phlyctinus callosus (Coleoptera)
Rhinoneus perpendicularis (Coleoptera)
WARSCEWICZELLA:
Coccus pseudohesperidum (Homoptera)
ZEA:
Chaetopsis fulvifrons (Diptera)
Diatraea crambidoides (Lepidoptera)
Diatraea saccharalis (Lepidoptera)
Euxesta stigmatias (Diptera)
Lophocateres pusillus (Coleoptera)
Moodna bisinuella (Lepidoptera)

Host unknown

AIRPLANE:
Nysius dallasi (Hemiptera)
Nysius minutus (Hemiptera)
Paroxyna sororcula (Diptera)
Tephritis genalis (Diptera)
Xylobiops texanus (Coleoptera)
BASKET:
Diaphania nitidalis (Lepidoptera)
BAY (?):
Vinsonia stellifera (Homoptera)
BEAN:
Agroicerota propinqua (Coleoptera)
Bruchus tristis (Coleoptera)
Callosobruchus chinensis (Coleoptera)
Callosobruchus maculatus (Coleoptera)
Callosobruchus phaseoli (Coleoptera)
Zabrotes subfasciatus (Coleoptera)
CASE OF FOOD:
Ceratitis capitata (Diptera)
CONIFER SLAT:
Pogonocherus fasciculatus (Coleoptera)
CUTTINGS:
Aonidiella inornata (Homoptera)
Ceroplastes cirripediformis (Homoptera)
Ferrisiana virgata (Homoptera)
Pseudaonidia tesserata (?) (Homoptera)
DECK NEAR GARBAGE:
Anastrepha ludens (Diptera)
FERN:
Ceroplastes rubens (Homoptera)
FOREST LITTER:
Lepidoscaphes espinosai (Homoptera)
GRASS:
Aspidiotus subchortinus (Homoptera)
"Targionia" sacchari (Homoptera)
HERB:
Conotrachelus seniculus (Coleoptera)
Synchlora aerata (Lepidoptera)
LEAF:
Aspidiotus destructor (Homoptera)
Tetraleurodes mori (Homoptera)
Trialeurodes vaporariorum (Homoptera)

Host unknown—Continued

LEGUME:
Brachyacma palpigera (Lepidoptera)
LOG:
Borozylon stephegynis (Coleoptera)
Coelosternus consputus (Coleoptera)
Fulvius brevicornis (Hemiptera)
Platypus rugulosus (Coleoptera)
MANDADO BAG:
Zabrotes subfasciatus (Coleoptera)
MOSS AND FOREST LITTER:
Apion flavipes (Coleoptera)
Cassida nebulosa (Coleoptera)
Cassida nobilis (Coleoptera)
Ceutorhynchus erysimi (Coleoptera)
Chlorochroa juniperina (Hemiptera)
Cymus melanocephalus (Hemiptera)
Eurydema oleraceum (Hemiptera)
Hypera nigrirostris (Coleoptera)
Longitarsus melanocephalus (Coleoptera)
Phytobius quadrituberculatus (Coleoptera)
Rhinoncus bruchoides (Coleoptera)
Sibinia potentillae (Coleoptera)
Strephosoma rufipes (Coleoptera)
Ulopa reticulata (Homoptera)
MOSS AND SOIL PACKING:
Rhinoncus pericarpius (Coleoptera)
MULTIFLOWERED LEI:
Taeniothrips hawaiiensis (Thysanoptera)
PLANT:
Aleurotuberculatus aucubae (Homoptera)
Asterolecanium pustulans (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
Ferrisiana virgata (Homoptera)
RETURNED MILITARY EQUIPMENT:
Achatina fulica (Mollusca)
SAWDUST PACKING:
Forficula auricularia (Dermaptera)
SEED:
Anastrepha ludens (Diptera)
Merobruchus julianus (Coleoptera)
SHRUB:
Ceutorhynchus floralis (Coleoptera)
Phyllotreta undulata (Coleoptera)
Sitona lineata (Coleoptera)
STRAW PACKING:
Hoffmannophila pseudospretella (Lepidoptera)
SUITCASE:
Kalotermes marginipennis (Isoptera)
VINE:
Euscepes postfasciatus (Coleoptera)
WOOD:
Acanthoderes circumflexa (Coleoptera)
Amphicerus cornutus (Coleoptera)
Amyssonotum rastratum flexum (Hemiptera)
Cryptotermes brevis (Isoptera)
Heterobostrychus aequalis (Coleoptera)
Micrapate brasiliensis (Coleoptera)
Sinoxylon anale (Coleoptera)
Xylopsocus castanoptera (Coleoptera)

Countries of origin and insects

ALGERIA:
Ceratitis capitata
ANGLO-EGYPTIAN SUDAN:
Sinoxylon anale
ARGENTINA:
Acanthoscelides armitagei
Anastrepha fraterculus
Ceratitis capitata
Diatraea saccharalis
Euxesta quaternaria
Nysius simulans
Parlatoria cinerea
Parlatoria oleae
Pseudaonidia trilobitiformis
Tenthecoris venezuelensis
Typhlocyba froggatti
ARUBA:
Anastrepha mombinpraeoptans
AUSTRALIA:
Ceratitis capitata
Desmothrips australis
Lepidosaphes tuberculata
Oxycarenus bicolor
AZORES:
Ceratitis capitata
Dacus oleae
Iridomyrmex humilis
Pantomorus godmani
"Targionia" bromiliae
BAHAMAS:
Aleurotrachelus trachoides
Anastrepha mombinpraeoptans
Aspidiotus destructor
Asterolecanium pustulans
Callosobruchus chinensis
Callosobruchus maculatus
Coccus capparidis
Coccus viridis
Dryotribus mimeticus
Lepidosaphes tokionis
Leptostylus incrassatus
Morganella longispina
Oosternum costatum
Unaspis citri
BARBADOS:
Brachyacma palpigera
Haplothrips gowdeyi
Protopulvinaria pyriformis
"Targionia" hartii
Vinsonia stellifera
BELGIAN CONGO:
Specularius impressithorax
BELGIUM:
Evergestis forficalis
Gracilaria azaleella
Hofmannophila pseudospretella
Laspeyresia splendana
Lepidosaphes tuberculata
Napomyza lateralis
Phyllotreta cruciferae
Phytomyza atricornis
BERMUDA:
Aleurocanthus woglumi
Aspidiotus subchortinus
Bradybaena similaris
Ceratitis capitata
Lygus oblineatus
Phenacoccus gossypii
Prodenia ornithogalli
Synchlora aerata
BRAZIL:
Anastrepha fraterculus
Asterolecanium epidendri
Caryoborus serripes
Ceratitis capitata
Chrysomphalus personatus
Coccus pseudohesperidum
Conchaspis angraeci
Diaphania nitidalis
Dysdercus ruficollis
Eurytoma orchidearum
Euscepes postfasciatus
Furcaspis biformis
Maruca testulalis
Mecolaemus carvalhoi
Micrapate brasiliensis
Microtheca ochroloma
Mormidea v-luteum
Nasutitermes corniger
Parlatoria cinerea
Pectinophora gossypiella
Tenthecoris bicolor
Tenthecoris eritiosus
Tenthecoris venezuelensis
Trialeurodes vaporariorum
Unaspis citri
Vinsonia stellifera
BRITISH GUIANA:
Asterolecanium pustulans
Callosobruchus chinensis
Chrysomphalus personatus
Protopulvinaria longivalvata
Vinsonia stellifera

Countries of origin and insects—Continued

BRITISH HONDURAS:
Anastrepha ludens
Diatraea crambidoides
Lecaniodiaspis dendrobii
Pseudischnaspis alienus
BRITISH WEST INDIES:
Callosobruchus chinensis
Callosobruchus maculatus
Cellosobruchus phaseoli
Pectinophora gossypiella
CAMEROONS:
Bostrychoplites cornutus
Cordylomera spinicornis
CANADA:
Acalypta mera
Acalypta nyctalis
Bembecia marginata
Brachyrhinus sulcatus
Dioryctria abietella
Liriomyza pusilla
Phytomyza obscurella nigritella
Taeniothrips simplex
CANAL ZONE:
Acanthoscelides armitagei
Amyssonotum rastratum flexum
Anastrepha mombinpraeoptans (?)
Aspidiotus destructor
Aspidiotus herculeanus
Asterolecanium epidendri
Cleogonus armatus
Furcaspis biformis
Galgupha punctifer
Metamasius sericeus
Parlatoria pseudaspidiotus
Protopulvinaria pyriformis
Stenoma catenifer
Stephanoderes lecontei
Tenthecoris distinguensus
Vinsonia stellifera
CENTRAL AMERICA:
Taeniothrips simplex
CHILE:
Leptoglossus chilensis
CHINA:
Aspidiotus destructor
Callosobruchus chinensis
Ceroplastes japonicus
Chilo simplex
Coptotermes formosanus
Cylas formicarius subspecies (?)
Parlatoria camelliae
Parlatoria zizyphus
COLOMBIA:
Anastrepha fraterculus (?)
Aspidiotus destructor
Autoserica castanea
Chrysomphalus tenax
Clerada apicornis
Coccus viridis
Eurytoma orchidearum
Euscepes postfasciatus
Ferrisiana virgata
Frankliniella moultoni
Furcaspis biformis
Tenthecoris balloui
Tenthecoris columbiensis
Tenthecoris exitiosus
Tenthecoris venezuelensis
Unaspis citri
COSTA RICA:
Anastrepha serpentina (?)
Anastrepha striata
Aspidiotus destructor
Aspidiotus palmae
Callosobruchus maculatus
Chrysomphalus scutiformis
Chrysomphalus umboniferus
Coccotrypes dactyliperda
Epinotia opposita
Eurytoma orchidearum
Ferrisiana virgata
Furcaspis biformis
Leucaspis cockerelli
Mecometopus jansoni
Metamasius sericeus
Nasutitermes corniger
Phytomyza atricornis
Platycarenus humilis
COSTA RICA—Continued
Pseudischnaspis alienus
Sibine stimulea
"Targionia" sacchari
Tenthecoris vestitus
CUBA:
Aleurocanthus woglumi
Aleurothrixus myrtacei
Anastrepha mombinpraeoptans
Anastrepha suspensa (?)
Aspidiotus destructor
Coccus viridis
Coptocycla dorsopunctata
Cylas formicarius var.
Cylas formicarius elegantulus
Ferrisiana virgata
Hellula phidilealis
Leucaspis cockerelli
Phyllophaga alquizara
Platynota rostrana
Prodenia eridania
Protopulvinaria pyriformis
Ribua innoxia
Stephanopachys rugosus
Zamagiria deia
CURACAO:
Callosobruchus maculatus
Unaspis citri
CYPRUS:
Callosobruchus maculatus
Pectinophora gossypiella
CZECHOSLOVAKIA:
Pityogenes chalicographus
Rhagoletis cerasi
DENMARK:
Euleia heraclei
Psila rosae
Sparteus villosus
Strophosoma melanogrammum
DOMINICA:
"Targionia" hartii
DOMINICAN REPUBLIC:
Anastrepha mombinpraeoptans
Anastrepha suspensa
Frankliniella insularis
Mimosestes dominicana
Pectinophora gossypiella
EAST AFRICA:
Pseudaonidia trilobitiformis
ECUADOR:
Euscepes postfasciatus
Metamasius sericeus var.
Premnotrypes vorax
EGYPT:
Callosobruchus maculatus
Cassida vittata
Ceratitis capitata
Pectinophora gossypiella
ENGLAND:
Acalypta platychila
Allantus cinctus
Anuraphis helichrysi
Cassida flaveola
Ceutorhynchus quadridens
Chaetocnema hortensis
Dalopius marginatus
Dialeurodes chittendeni
Elaphria chalcedonia
Euleia heraclei
Eurytoma crassineura
Evergestis forficalis
Haplothrips cottei
Hofmannophila pseudospretella
Laspeyresia splendana
Leperisinus fraxini
Lepidosaphes tuberculata
Phyllotreta cruciferae
Pieris brassicae
Psila rosae
Pteleobius vittatus
Scolopostethus affinis
Taeniothrips ericae
Thrips fuscipennis
FINLAND:
Pogonocherus fasciculatus
Rhopobota naevana

Countries of origin and insects—Continued

FORMOSA:
Dialeurodes citri
FRANCE:
Apion craccae
Apion pomonae
Bruchus guttalis
Bruchus luteicornis
Bruchus tristis
Caryedon fuscus
Ceratitis capitata
Chirothrips manicatus
Ernoporus tiliae
Euleia heraclei
Evergestis forficalis
Laspeyresia splendana
Liothrips vaneeckei
Parlatoria cinerea
Pieris brassicae
Psila rosae
Rhagoletis cerasi
Thrips angusticeps
FRENCH EQUATORIAL AFRICA:
Cordylomera spinicornis
Fulvius oxycarenoides
FRENCH GUIANA:
Vinsonia stellifera
FRENCH WEST AFRICA:
Fulvius brevicornis
GERMANY:
Acalypta musci
Apion flavipes
Forficula auricularia
Gymnaetron beccabungae nigrum
Hylurgops palliatus
Hypera pedestris
Hypera rumicis
Ips typographus
Lema cyanella
Lema melanopa
Phyllotreta atra
Phyllotreta undulata
Phytobius quadrituberculatus
Pityogenes chalcographus
Rhinoncus bruchoides
Rhynchaenus fagi
Rutidosoma fallax
GOLD COAST:
Ceratitis capitata (?)
Cordylomera spinicornis
GREECE:
Bruchus brachialis
Ceratitis capitata
Dacus oleae
GUAM:
Achatina fulica
Antonina graminis
Aspidiotus destructor
Aspidiotus sacchari
Aspidiotus spinosus
Asterolecanium pustulans
Dinoderus brevis
Ferrisiana virgata
"Targionia" sacchari
GUATEMALA:
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Aspidiotus destructor
Aspidiotus palmae
Chrysomphalus nigropunctatus
Chrysomphalus tenax
Cosmopolites sordidus
Cyrtonota tristigma
Diorymerellus laevimargo
Eurytoma orchidearum
Exptochiomera albomaculata
Furcaspis biformis
Kalotermes marginipennis
Lygaeus vittiscutis
Metriona tuberculata
Nasutitermes corniger
Parlatoria cinerea
Pinnaspis buxi
Plagiodera atritarsis
Platoeceticus symmicta
Pseudischnaspis alienus
Pseudoparlatoria ostreata
GUATEMALA—Continued
Tenthecoris confusus
Tenthecoris distinctus
Tenthecoris vestitus
Xanthonia guatemalensis
HAITI:
Anastrepha mombinpraeoptans
Coccus viridis
Diatraea saccharalis
Pinnaspis buxi
Vinsonia stellifera
HAWAII:
Aonidiella inornata
Aspidiotus destructor
Aspidiotus spinosus
Caryedon fuscus
Ceratitis capitata
Ceroplastes rubens
Coccus viridis
Cryptorhynchus mangiferae
Cryptotermes brevis
Dacus cucurbitae
Dacus dorsalis
Ereunetis flavistrata
Haplothrips gowdeyi
Lampides boeticus
Lepidosaphes tokionis
Lepidosaphes uniloba
Leucaspis cockerelli
Maruca testulalis
Pealius hibisci
Pectinophora gossypiella
Phenacaspis sandwicensis (?)
Pinnaspis buxi
Pseudaonidia clavigera
Pseudococcus palmarum
Taeniothrips hawaiiensis
Xyleborus testaceus
Xylopsocus castanoptera
HONDURAS:
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anastrepha striata
Cryphula apicatus
Diorymerellus laevimargo
Euscepes postfasciatus
Iridomyrmex humilis
Metamasius sericeus
Mimosestes dominicana
Nasutitermes corniger
Pseudischnaspis alienus
Stenoma anonella
Tenthecoris confusus
HUNGARY:
Molorchus minor
Pyrausta nubilalis
INDIA:
Bruchus emarginatus
Callosobruchus analis
Callosobruchus chinensis
Caryedon fuscus
Ceratitis capitata (?)
Coccus capparidis
Corcyra cephalonica
Dinoderus pilifrons
Eutornicus congener
Halimococcus borassi
Heterobostrychus aequalis
Lepidosaphes latero-chitinosa
Lepidosaphes tuberculata
Lethaeus aeruginosus
Meristata dohrni
Meristata trifasciata
Prodenia ornithogalli
Pyrausta nubilalis
Sinoxylon anale
Stenygrinum quadrinotatum
IRAN:
Bruchus dentipes
IRAQ:
Coccotrypes dactyliperda
IRELAND:
Euleia heraclei
Forficula auricularia
Hypera postica
Psila rosae

***Countries of origin and insects*—Continued**

ITALY:
Apion carduorum
Barathra brassicae
Brachycerus albidentatus
Brachycerus algirus
Bruchidius gilvus
Bruchidius incarnatus
Bruchus ervi
Bruchus lentis
Bruchus luteicornis
Bruchus rufipes
Bruchus signaticornis
Bruchus ulicis
Callosobruchus chinensis
Ceratitis capitata
Ceroplastes rusci
Curculio elephas
Dacus oleae
Eurytoma oleae
Forficula auricularia
Grapholitha molesta
Hofmannophila pseudospretella
Laspeyresia splendana
Lepidosaphes ficus
Mecinus pyraster
Myelois ceratoniae
Parlatoria oleae
Pectinophora gossypiella
Phalonia zephyrana
Phymatodes lividus
Psila rosae
Pyrausta nubilalis
Rhagoletis cerasi
Rhinoneus perpendicularis
Sesamia cretica
Sparteus villosus
JAMAICA:
Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Aspidiotus destructor
Aspidiotus spinosus
Callosobruchus chinensis
Callosobruchus maculatus
Callosobruchus phaseoli
Coccus viridis
Frankliniella insularis
Leucaspis cockerelli
Monomorium destructor
Palaeopus costicollis
Parlatoria cinerea
Pseudaonidia tesserata
Unaspis citri
Vinsonia stellifera
JAPAN:
Aleurotuberculatus aucubae
Aspidiotus cryptomeriae
Aspidiotus degeneratus
Aspidiotus diffinis
Carposina sasakii
Ceroplastes ceriferus
Ceroplastes japonicus
Ceroplastes rubens
Dialeurodes kirkaldyi
Euscepes postfasciatus
Ferrisiana virgata
Grapholitha molesta
Lepidosaphes conchiformis
Lepidosaphes pallida
Lepidosaphes tuberculata
Liothrips vaneeckei
Parlatoria camelliae
Parlatoria theae
Pealius rhododendri
Phyllobius intrusus
"Poliaspis" pini
Pseudococcus pini
Ptochoryctis tsugensis
Raphidopalpa femoralis
Stephanitis pyroides
Unaspis yanonensis
Vesiculaphis caricis
KOREA:
"Poliaspis" pini
LEBANON:
Bruchus dentipes
Bruchus ervi
Parlatoria oleae
LEEWARD ISLANDS:
Pseudoparlatoria ostreata
Vinsonia stellifera
MALAYSIA:
Parlatoria zizyphus
MARIANAS:
Achatina fulica
Ferrisiana virgata
MARTINIQUE:
Psila rosae
MEXICO:
Acanthoderes circumflexa
Acanthoscelides quadridentatus
Aceria tulipae
Acroleucus vicinalis
Acrolophus superstes
Agroiconota propinqua
Agromyza virens
Alcaeorrhynchus grandis
Aleurocanthus woglumi
Aleuroglandulus emmae
Aleuroparadoxus gardeniae
Algarobius prosopis
Alpheias conspirata
Amorbia emigratella
Amphicerus cornutus
Amyssonotum rastratum flexum
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anastrepha striata
Anelaphus truncatus
Anthonomus albolineatus
Anthonomus haridioides
Anuraphis helichrysi
Aonidiella citrina
Apion godmani
Arvelius albopunctatus
Aspidiotus destructor
Aspidiotus diffinis
Asterolecanium pustulans
Attelabus corvinus
Berecynthus delirator
Cactobrosis longipennella
Calligrapha diversa
Calligrapha felina
Calligrapha limbaticollis
Calligrapha multipustulata
Calligrapha notatipennis
Callirhytis sonorae
Callosobruchus maculatus
Camirus conicus
Caulophilus latinasus
Celerio lineata
Chaetopsis fulvifrons
Chelymorpha comata
Chlorochroa ligata
Chrysobothris mali
Chrysomphalus albopictus
Chrysomphalus nigropunctatus
Chrysomphalus personatus
Chrysomphalus scutiformis
Chrysomphalus tenax
Chrysomphalus umboniferus
Cleogonus armatus
Cligenes delineata
Coelosternus consputus
Conchaspis angraeci
Conotrachelus aguacatae
Conotrachelus integer
Conotrachelus perseae
Conotrachelus seniculus
Coptocycla semiatrata
Corcyra cephalonica
Corimelaena minutissima
Creontiades femoralis
Crophius costatus
Crophius scabrosus
Cryphula apicatus
Curculio q-griseae
Cytas formicarius elegantulus
Cyrtocapsus caligineus
Cyrtopeltis varians
Diabrotica figurata
Diaphania hyalinata
Diaphania nitidalis
Diatraea saccharalis

Countries of origin and insects—Continued

MEXICO—Continued
Diorymerellus laevimargo
Disonycha leptolineata texana
Dysdercus mimulus
Epicaerus cognatus
Epilachna varivestis
Epinotia opposita
Estigmene acrea
Eucalandra setulosa
Eumysia stigmella
Eurytoma orchidearum
Eutettix tenellus
Evergestis rimosalis
Exptochiomera albomaculata
Exptochiomera oblonga
Exptochiomera tumens
Faustinus rhombifer
Ferrisiana virgata
Franklieniella insularis
Franklinothrips vespiformis
Fulvius anthocorides
Furcaspis biformis
Galgupha punctifer
Galgupha quadrisignata
Galgupha texana
Geocoris flavilineus
Gerstaeckeria bifasciata
Gerstaeckeria mutillaria
Gnorimoschema gudmannella
Gnorimoschema lavernella
Grapholitha packardi
Haplothrips gowdeyi
Heliodines bella
Heraeus guttatus
Hyphantria cunea
Japetus sphaeroides
Lepidosaphes carinata
Lepidosaphes philococcus
Ligyrocoris abdominalis
Ligyrocoris auriwilliana
Ligyrocoris litigiosus
Ligyrocoris nitidicollis
Lineodes integra
Liriomyza pusilla
Loxostege similalis
Lyctus caribeanus
Lygaeus circumplicatus
Lygaeus pusio
Lygaeus vittiscutis
Lygus elisus
Lygus oblineatus
Macrocephalus notatus
Macrocephalus stali
Macropygium reticulare
Megacerus contaminatus
Merobruchus flexicaulis
Merobruchus julianus
Metamasius sericeus carbonarius
Micrapate labialis
Mimorista flavidissimalis
Mimosestes dominicana
Mimosestes sallaei
Moneilema ebenus var.
Moodna bisinuella
Myodocha longicollis
Nabis alternatus
Neocattarus vegetus
Neoleucinodes elegantalis
Nysius basalis
Nysius calliger
Nysius minutus
Nysius raphanus
Ogdoecosta biannularis
Ogdoecosta juvenca
Olibrus submaculatus
Oosternum costatum
Ozophora consanguineus
Pachycoris torridus
Paraleyrodes singularis (?)
Parlatoria cinerea
Paroxyna sororcula
Pectinophora gossypiella
Phatnoma annulipes concisa
Phelypera distigma
Phenacoccus gossypii
Physonota attenuata
Physonota mexicana

MEXICO—Continued
Pityophthorus coronarius
Plagiodera atritarsis
Plagiodera congesta
Plagiodera semivittata
Plagiodera thymaloides
Platoeceticus symmicta
Platycarenus humilis
Platynota rostrana
Platynota stultana
Platypus rugulosus
Polydontomyia curvipes
Protopulvinaria longivalvata
Pseudischnaspis alienus
Pseudodiaspis yuccae
Pseudoparlatoria ostreata
Puto mexicanus
Renocis mexicanus
Reticulitermes flavipes
Rhagoletis pomonella
Rhagoletis striatella (?)
Rhopalophora incrustata
Scolytus rugulosus
Sericophanes ocellatus
Setomorpha rutella
Sisamnes contractus
Sizeonotus luteiceps
Stenoma catenifer
Stilodes caelebs
Synchlora aerata
Systole geniculata
Taeniothrips simplex
Talponia batesi
"Targionia" bromiliae
Targionia yuccarum
Tempyra biguttula
Tenthecoris angustimarginatus
Tenthecoris confusus
Tenthecoris distinctus
Tephritis genalis
Tetraleurodes mori
Texananus spatulatus
Trichobaris mucorea
Trochuda raspa
Tychius inermis
Tytthomimus rufotestaceus
Unaspis euonymi
Xylobiops parilis
Xylobiops texanus
Zabrotes subfasicatus
Zygogramma obscruofasciata
Zygogramma piceicollis
MONTSERRAT:
Myelois ceratoniae
MOROCCO:
Ceratitis capitata
Exosoma lusitanica
MOZAMBIQUE:
Cylas puncticollis
NETHERLANDS:
Allantus cinctus
Apion flavipes
Barathra brassicae
Barypeithes pellucidus
Bruchus luteicornis
Cassida nebulosa
Cassida nobilis
Ceutorhynchus erysimi
Ceutorhynchus floralis
Chaetarthria seminulum
Chlorochroa juniperina
Cymus melanocephalus
Dialeurodes chittendeni
Endrosis lactella
Eurydema oleraceum
Evergestis forficalis
Forficula auricularia
Gracilaria azaleella
Hoffmannophila pseudospretella
Hypera nigrirostris
Lecanium coryli
Lepidosaphes tuberculata
Longitarsus melanocephalus
Nemapogon granella
Periphyllus horridus (?)
Phyllotreta undulata
Phytobius quadrituberculatus

Countries of origin and insects—Continued

NETHERLANDS—Continued
Pnyxia scabiei
Psila rosae
Rhinoncus bruchoides
Rhopalosiphoninus tulipaella
Scolytus intricatus
Sibinia potentillae
Sitona lineata
Strophosoma rufipes
Taeniothrips simplex
Trialeurodes vaporariorum
Ulopa reticulata
NETHERLANDS GUIANA:
Diaphania nitidalis
NEW ZEALAND:
Maruca testulalis
NICARAGUA:
Anastrepha mombinpraeoptans
Anastrepha serpentina
Aspidiotus spinosus
Metamasius sericeus
Stenoma catenifer
NORTH IRELAND:
Hofmannophila pseudospretella
NORWAY:
Brachyrhinus porcatus
Polygraphus poligraphus
Psila rosae
Rhinoncus pericarpius
PALESTINE:
Aleurotrachelus citri
Ceratitis capitata
Ceroplastes rusci
Lepidosaphes ficus
PANAMA:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Aspidiotus destructor
Aspidiotus palmae
Cardioscarta miniaticeps
Ceroplastes cirripediformis
Chrysomphalus umboniferus
Leucaspis cockerelli
Maruca testulalis
Pseudaonidia trilobitiformis
Stenoma catenifer
PERU:
Chrysomphalus personatus
Eucactophagus aurocinctus
Gnorimoschema plaesiosema
Lepidosaphes espinosai
Premnotrypes solani (?)
Zabrotes subfasciatus
PHILIPPINES:
Aonidiella inornata
Aspidiotus coryphae
Aspidiotus destructor
Aspidiotus excisus
Boroxylon stephegynis
Callispa duodecimmaculata
Callosobruchus chinensis
Coptorhynchus iliganus
Cryptorhynchus mangiferae
Cyamobolus palawanicus
Cylas formicarius
Cylas formicarius var.
Dacus dorsalis
Dinoderus brevis
Ferrisiana virgata
Furcaspis biformis
Leucaspis cockerelli
Morganella longispina
Nysius dallasi
Parlatoria citri
Parlatoria pseudaspidiotus
Parlatoria zizyphus
Pseudaonidia curculiginis
Pseudococcus lilacinus
Pseudococcus palmarum
Pulvinaria psidii
Setomorpha rutella
Sinoxylon anale
POLAND:
Bruchus brachialis
PORTUGAL:
Aphis medicaginis
Bruchus guttalis
Bruchus tristiculus
Ceratitis capitata
Chaetoptelius vestitus
Dacus oleae
Haplothrips cottei
Iridomyrmex humilis
Laspeyresia splendana
Lixus mucronatus
Pantomorus godmani
Parlatoria oleae
Rhagoletis cerasi
Sinoxylon sexdentatum
PUERTO RICO:
Aleurothrixus floccosus
Anastrepha mombinpraeoptans
Anastrepha suspensa
Ancylostomia stercorea
Aspidiotus destructor
Aspidiotus herculeanus
Callosobruchus chinensis
Ceroplastes japonicus
Chaetopsis fulvifrons
Coccotrypes pygmaeus
Coccus viridis
Corcyra cephalonica
Cylas formicarius var.
Cylas formicarius elegantulus
Dialeurodes citrifolii
Diaprepes abbreviatus
Diatraea saccharalis
Elasmopalpus lignosellus
Euscepes postfasciatus
Euxesta stigmatias
Fundella pellucens
Maruca testulalis
Myelois ceratoniae
Paraleyrodes naramjae
Parlatoria zizyphus
Pectinophora gossypiella
Platynota rostrana (?)
Protopulvinaria pyriformis
Sphenarches caffer
"Targionia" hartii
"Targionia" sacchari
Thyanta perditor
Vinsonia stellifera
ST. KITTS:
Pectinophora gossypiella
"Targionia" hartii
ST. VINCENT:
Acanthoscelides armitagei
"Targionia" hartii
SAIPAN:
"Targionia" sacchari
SALVADOR:
Anastrepha mombinpraeoptans
Anastrepha serpentina
Aspidiotus destructor
Conchaspis angraeci
Corcyra cephalonica
Eurytoma orchidearum
Icerya zeteki
Leucaspis cockerelli
Pseudischnaspis alienus
Stenoma catenifer
SCOTLAND:
Psila rosae
SIAM:
Cylas formicarius var.
Parlatoria zizyphus
SIERRA LEONE:
Caryedon fuscus
Cylas puncticollis
SOUTH PACIFIC:
Furcaspis oceanicus
SPAIN:
Ceratitis capitata
Dacus oleae
Psila rosae
STRAITS SETTLEMENT:
Aonidiella citrina
Cylas formicarius

Countries of origin and insects—Continued

SWEDEN:
Hylurgops palliatus
Ips typographus
Pityogenes chalcographus
Pogonocherus fasciculatus
Psila rosae
Rhagoletis alternata
SWITZERLAND:
Parlatoria camelliae
Rhagoletis cerasi
SYRIA:
Ceratitis capitata
TAHITI:
Ceroplastes rubens
Eucalymnatus tessellatus
Morganella longispina
Parlatoria cinerea
TRINIDAD:
Anastrepha mombinpraeoptans
Aspidiotus destructor
Diaphania nitidalis
Furcaspis biformis
Pseudaonidia tesserata
Unaspis citri
Vinsonia stellifera
TURKEY:
Laspeyresia splendana
Parlatoria oleae
UNION OF SOUTH AFRICA:
Ceratitis capitata
Ceratitis rosa
Lema bilineata
Phlyctinus callosus
Trionymus lounsburyi
UNKNOWN:
Anastrepha ludens
Anastrepha serpentina (?)
Asterolecanium bambusae
Bruchus luteicornis
Ceratitis capitata
Chilo simplex
Grapholitha molesta
Pantomorus godmani
UNKNOWN—Continued
Parlatoria crotonis
Phlyctinus callosus
Psila rosae
Rhagoletis cerasi (?)
Taeniothrips simplex
Tenthecoris venezuelensis
VENEZUELA:
Amphicerus cornutus
Anastrepha serpentina
Asterolecanium epidendri
Aulacaspis cinnamomi
Brentus anchorago
Callosobruchus maculatus
Chrysomphalus umboniferus
Coccus viridis
Conchaspis angraeci
Dryoctemes scrupulosus
Dysides obscurus
Eurytoma orchidearum
Ferrisiana virgata
Forficula auricularia
Furcaspis biformis
Heraeus cincticornis
Lophocateres pusillus
Lygaeus guatemalanus
Mecolaemus carvalhoi
Pectinophora gossypiella
Protopulvinaria longivalvata
Protopulvinaria pyriformis
Sosylus terminalis
Stenoma anonella
Stenoma catenifer
Tenthecoris venezuelensis
VIRGIN ISLANDS:
Corcyra cephalonica
Cylas formicarius elegantulus
Euscepes postfasciatus
"Targionia" hartii
WALES:
Psila rosae
WEST INDIES:
"Targionia" hartii

List of pests (diseases) collected and reported from July 1, 1947, to June 30, 1948, inclusive

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Alternaria citri Ell. & Pierce:					
Citrus sinensis (orange)	Mexico	1			Tex.
Aphelenchoides bicaudatus Imanura:					
Colocasia sp	Cyprus			1	N. J.
Unidentified vine roots on returned war equipment.	Okinawa	1			Calif.*
Aphelenchoides parietinus (Bastian) Steiner:					
Lilium sp. (lily)	England			1	N. J.
Aphelenchoides ritzema-bosi (Schwartz):					
Allium sativum (garlic)	Mexico	1			Tex.
Aphelenchoides subtenuis Cobb:					
Narcissus sp	Netherlands			1	N. J.
Aphelenchus avenae Bastian:					
Solanum tuberosum (potato)	France, Mexico		2		Tex.
Ascochyta cichorii Died.:					
Cichorium intybus (chicory)	Belgium	1			N. Y.
Ascochyta citri Penz.:					
Citrus sinensis (?) (orange)	Italy	1			Mich.
Citrus sp	Azores	1			N. Y.
Ascochyta decipiens Pass.:					
Antirrhinum majus	England	1			N. Y.
Ascochyta fraxini Bub. & Kab.:					
Fraxinus excelsior (European ash)	Italy	1			N. Y.
Ascochyta pisi Lib.:					
Pisum sativum (pea)	France		1		Tex.

List of pests (diseases) collected and reported from July 1, 1947, to June 30, 1948, inclusive—Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Asterosporium hoffmanni G. Kunze:					
Fagus sp	Netherlands			1	N. J.
Aulographum eucalypti Cke. & Mass.:					
Eucalyptus ficifolia	Australia	1			Ohio.
Botryosphaeria ribis Gross. & Dugg. (?):					
Morus sp. (?)	Japan			1	Calif.*
Botrytis elliptica (Berk.) Cke.:					
Lilium auratum (goldband lily)	do			2	Calif.*
Botrytis galanthina (Berk. & Br.) Sacc.:					
Galanthus sp	Netherlands			41	Mich., N. J., N. Y., Ohio.
Botrytis gladiolorum Timmermans:					
Gladiolus sp	do			13	N. J., Tex.
Cercospora angraeci Roum.:					
Odontoglossum sp. (orchid)	England, France			2	N. J.
Cercospora gossypina Cke.:					
Gossypium sp. (cotton)	Mexico	1			Tex.
Cercospora handelii Bub.:					
Rhododendron sp	Belgium, Netherlands			10	N. J.
Cercospora musae Zimm.:					
Musa paradisiaca sapientum (banana)	Canal Zone, Costa Rica, Cuba, Dominican Republic, Guatemala, Honduras, Mexico, Netherlands Guiana, Nicaragua, Panama	137	2		Calif.,* Md., N. Y., Pa., Tex.
Cercospora neriella Sacc.:					
Nerium oleander (oleander)	Bermuda	2		2	Md., Va.
Cercospora nicotianae Ell. & Ev.:					
Nicotiana tabacum (tobacco)	Cuba	3			N. Y.
Cercospora physalicola Ell. & Barth. (?):					
Physalis sp. (husk tomato)	Mexico	1			Tex.
Cercospora rosicola Pass.:					
Rosa sp. (rose)	Cuba, Mexico	2			N. J., Tex.
Cercospora violae Sacc.:					
Viola sp. (pansy)	Canada			1	N. Y.
Cercospora zinniae Ell. & Martin:					
Zinnia sp	Trinidad	1			N. Y.
Ceuthospora lunata Shear:					
Gaultheria sp	Netherlands			1	N. J.
Coleosporium dahliae Arth.:					
Dahlia sp	Mexico	2			Tex.
Coleosporium senecionis (Pers.) Fr.:					
Senecio deferens	Argentina	1			N. Y.
Colletotrichum hibisci Poll. (?):					
Hibiscus sp	Guam	1			Calif.*
Colletotrichum lilii Plakidas:					
Lilium auratum (goldband lily)	Japan			4	Calif.*
Lilium auratum praecox	do			1	Calif.*
Lilium japonicum (Japanese lily)	do			3	Calif.*
Lilium pumilum (coral lily)	China			1	Calif.*
Lilium rubellum (rubellum lily)	Japan			2	Calif.*
Lilium speciosum (speciosum lily)	do			1	Calif.*
Lilium speciosum rubrum (pink speciosum lily).	do			2	Calif.*
Lilium tigrinum (tiger lily)	India			1	Calif.*
Lilium sp	Australia, China, Japan			4	Calif.*
Colletotrichum vanillae Scalia:					
Vanilla sp. (orchid)	Cuba			1	Fla.
Coniothyrium diplodiella (Speg.) Sacc.:					
Rosa sp	France			1	N. J.
Coniothyrium genistae (Roum.) Berl. & Vogl.:					
Genista sp	Canada			1	N. J.
Coniothyrium hellebori Cke. & Mass.:					
Helleborus niger (Christmas rose)	Netherlands			2	N. J.
Coniothyrium hysterioideum Karst.:					
Dasylirion sp	Mexico			1	Tex.
Coniothyrium olivaceum Bon.:					
Ulex europaeus (gorse)	Ireland			1	Mass.
Coryneum beijerinckii Oud.:					
Prunus persica (peach)	Italy	1			N. Y.

List of pests (diseases) collected and reported from July 1, 1947, to June 30, 1948, inclusive—Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Cryptospora longispora Servazzi:					
Pinus sp. (pine)	New Zealand			1	N. Y.
Cumminsiella sanguinea (Pk.) Arth.:					
Mahonia aquifolium (Oregon hollygrape)	Belgium, Netherlands			3	N. J.
Cytospora ambiens Sacc.:					
Malus sylvestris (apple)	England			1	N. J.
Cytospora atra (Bon.) Sacc.:					
Morus sp	Japan			1	Calif.*
Cytospora ceratophora Sacc:					
Castanea sp. (chestnut)	France	1			N. Y.
Cytospora chrysosperma Pers. ex Fr.:					
Salix sp	Argentina		1		Pa.
Cytospora lirella Syd.:					
Bambusa sp. (bamboo)	Mexico			1	Calif.*
Dendryphium toruloides (Fres.) Sacc. var. *taurinense* (Ferr. & Tonelli) Trott.:					
Cattleya skinneri (orchid)	Costa Rica			1	Tex.
Diaporthe dubia Nits. (?):					
Cactus	Mexico			1	Tex.
Diplodia bambusae Ell. & Langl.:					
Bambusa sp. (bamboo)	do			1	Calif.*
Diplodia paraphysaria Sacc.:					
Aerides sp. (orchid)	Philippines			1	Calif.*
Cattleya gigas (orchid)	Colombia			1	Fla.
Dendrobium sp. (orchid)	Honduras			1	Fla.
Epidendrum atropurpureum (orchid)	Mexico			1	Calif.*
Oncidium sp. (orchid)	French Guiana			1	Calif.*
Diplodia populina Fckl.:					
Populus sp	Portugal	1			Pa.
Diplodia theobromae (Pat.) Nowell:					
Cajanus cajan (pigeonpea)	Panama	1			N. Y.
Mangifera indica (mango)	Egypt	1			N. Y.
Manihot esculenta (cassava)	Brazil			1	Fla.
Musa paradisiaca (plantain)	Cuba	1			N. Y.
Discosia artocreas Tode ex Fr.:					
Rhododendron sp	Netherlands			1	N. J.
Ditylenchus dipsaci (Kuhn) Filip.:					
Allium sativum (garlic)	Mexico	23	1	1	Tex.
Colchicum agrippinum (agrippa autumn-crocus).	Netherlands			1	N. J.
Colchicum sp	do			1	N. J.
Narcissus sp	England			1	N. J.
Ornithogalum sp	Netherlands			1	N. J.
Ditylenchus iridis Steiner:					
Colchicum bornmuelleri (bornmueller autumn-crocus).	do			1	N. J.
Colchicum speciosum (showy autumn-crocus)	do			1	N. J.
Crocus sp	do			1	Tex.
Iris filifolia (Gibraltar iris)	do	2			Calif.*
Iris sindjarensis (aleppo iris)	do			2	N. J.
Iris xiphioides (English iris)	do			1	N. J.
Iris sp	England, Netherlands			193	N. J.
Tigridia sp	Netherlands			1	N. J.
Dothiorella gregaria Sacc.:					
Persea americana (avocado)	Mexico	1			Tex.
Elsinoe australis Bitanc. & Jenkins:					
Citrus limon (lemon)	Argentina, Brazil, Paraguay.		5		Mass., N. Y., Pa., Tex., Va.
Citrus sinensis (orange)	Argentina, Brazil		7		Fla.,* Md., Mass., Pa.
Citrus sp	Brazil		1		Fla.*
Elsinoe phaseoli Jenkins:					
Phaseolus lunatus macrocarpus (lima bean)	Puerto Rico	2			N. Y.
Elsinoe piri (Woron.) Jenkins:					
Malus sylvestris (apple)	Union of Soviet Socialist Republics.		1		N. Y.
Epicoccum nigrum Lk.:					
Capsicum frutescens (pepper)	Mexico	1			Ariz.
Exobasidium vaccinii (Fckl.) Woron.:					
Rhododendron sp	Netherlands			1	N. J.

List of pests (diseases) collected and reported from July 1, 1947, to June 30, 1948, inclusive—Continued

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Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Fusarium oxysporum Schlecht.:					
Crocus sp	do			1	N. Y.
Gladiolus sp	do			3	N. J., N. Y.
Ipomoea batatas (sweetpotato)	Mexico	1			Tex.
Narcissus sp	Netherlands	1		150	Mass., Mich., N. Y., Pa., S. C., Va.
Fusicladium eriobotryae Cav.:					
Eriobotrya japonica (loquat)	Portugal	1	1		N. Y., Pa.
Fusicladium pyracanthae (Otth.) Rostr.:					
Pyracantha coccinea (scarlet firethorn)	Netherlands			1	N. J.
Pyracantha sp	do			1	N. J.
Fusicoccum cinctum Sacc. & Roum.:					
Castanea sp. (chestnut)	Italy	1			Mo.
Fusicoccum galericulatum Sacc.:					
Fagus sylvatica (European beech)	Netherlands			1	N. J.
Gliomastix convoluta (Harz) Mason:					
Colocasia esculenta (taro)	China	1			Calif.*
Eleocharis dulcis (waternut)	do	1			Calif.*
Oryza sativa (rice)	Japan		1		Calif.*
Zingiber officinale (ginger)	China	10			Calif.*
Gloeosporium cinnamomi (P. Henn.) Died.:					
Cinnamomum sp. (cinnamon)	Dominica	1			N. Y.
Gloeosporium fructigenum Berk.					
Cydonia oblonga (quince)	Mexico	1			Tex.
Gloeosporium leguminum (Cke.) Sacc.:					
Prosopis chilensis (mesquite)	Dominican Republic	1			P. R.
Gloeosporium olivarum Alm.:					
Olea europaea (olive)	Italy	2			N. Y.
Gloeosporium phacidiellum Grove:					
Prunus laurocerasus (laurel cherry)	Netherlands			1	N. J.
Gloeosporium piperatum Ell. & Ev.:					
Capsicum frutescens (pepper)	Brazil		1		N. Y.
Gloeosporium rhododendri Briosi & Cav. (?):					
Rhododendron sp	England			1	N. J.
Gloeosporium sansevieriae Verwoerd & du Plessis:					
Sansevieria sp	Bermuda			1	Md.
Gloniopsis levantica Rehm:					
Rhododendron sp	Netherlands			1	N. J.
Helminthosporium carposaprum Pollack:					
Capsicum frutescens (pepper)	Mexico		1		Tex.
Lycopersicon esculentum (tomato)	do	1	1		Tex.
Helminthosporium oryzae Breda de Haan:					
Oryza sativa (rice)	Japan	1			Ohio.
Hemileia oncidii Griff. & Maub.:					
Oncidium varicosum rogersi (orchid)	Brazil			1	N. J.
Oncidium sp	Trinidad			1	N. J.
Heterodera marioni (Cornu) Goodey:					
Polianthus tuberosa (tuberose)	Mexico	1			Tex.
Vine roots on returned war equipment	Okinawa	1			Calif.*
Heteropatella valtellinensis (Trav.) Wr.:					
Dianthus sp. (carnation)	Canada			1	Wash.
Heterosporium variabile Cke.:					
Rhododendron sp	Netherlands			1	N. J.
Hormodendron cladosporioides (Fres.) Sacc.:					
Capsicum frutescens (pepper)	Mexico	5			Ariz.
Lycopersicon esculentum (tomato)	France		1		Tex.
Leptosphaeria heterospora (De N.) Niessl:					
Iris tenorii	Netherlands			1	N. J.
Leptosphaeria rusci (Wallr.) Sacc.:					
Ruscus sp	Italy	1		1	N. Y., Pa.
Leptothyrium pomi (Mont. & Fr.) Sacc.:					
Malus sylvestris (apple)	France, Spain, Union of Soviet Socialist Republics.	2	1		N. Y.
Lophodermium juniperinum (Fr.) De N.:					
Juniperus sp. (juniper)	Netherlands			2	N. J.
Macrophoma cattleyicola P. Henn.:					
Cattleya trianae (orchid)	Colombia			1	Calif.*
Cattleya sp	Venezuela			1	Pa.
Macrophoma musae (Cke.) Berl. & Vogl.:					
Musa paradisiaca (plantain)	Dominican Republic	1			N. Y.

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Macrophomina phaseoli (Maub.) Ashby:					
Daucus carota (carrot)	Cuba		1		Tex.
Ipomoea batatas (sweetpotato)	Mexico		1		Tex.
Marsonina juglandis Magn.:					
Juglans regia (Persian walnut)	Italy	1			N. Y.
Juglans sp. (walnut)	Morocco	1			N. Y.
Marsonina ochroleuca Berk. & Curt.:					
Castanea sp. (chestnut)	Italy	2			Ill.
Melanospora zamiae Cda.:					
Cymbidium mastersi (orchid)	India			1	Calif.*
Pueraria thunbergiana (kudzu-bean)	China	1			Calif.*
Zingiber officinale (ginger)	do	5			Calif.*
Memnoniella echinata (Rivolta) L. O. Gall.:					
Odontoglossum sp. (orchid)	Mexico			1	Tex.
Solanum tuberosum (potato)	do		1		Tex.
Monilinia fructigena (Pers.) Honey:					
Malus sylvestris (apple)	Sweden		1		Tex.
Monilinia laxa (Aderh. & Ruhl.) Honey:					
Prunus cerasifera (?) (Myrobalan plum)	New Zealand		1		Hawaii.
Prunus sp. (cherry)	England	1			N. Y.
Mycosphaerella hondai Miyake:					
Oryza sativa (rice)	China, Japan	5	3		Calif.*
Mycosphaerella lythracearum Wolf:					
Punica granatum (pomegranate)	Puerto Rico	1			N. Y.
Mycosphaerella pinodes (Berk. & Blox.) Stone:					
Pisum sativum (pea)	Portugal		1		Pa.
Mycosphaerella rhododendri (Cke.) G. H. Martin:					
Rhododendron sp	Netherlands			5	N. J.
Mycosphaerella rosigena (Ell. & Ev.) Lindau:					
Rosa sp. (rose)	Bermuda			1	Md.
Myrothecium roridum Tode ex Fr.:					
Capsicum frutescens (pepper)	Mexico	1			Tex.
Lycopersicon esculentum (tomato)	do	1			Tex.
Nectria cinnabarina Fr.:					
Acer sp	Netherlands			1	N. J.
Deutzia sp	Norway			1	N. Y.
Magnolia sp	Netherlands			1	N. J.
Neovossia horrida (Tak.) Padwick & Armatulla Khan:					
Oryza sativa (rice)	India	1			Pa.
Nigrospora sphaerica (Sacc.) Mason:					
Oryza sativa (rice)	China	4			Calif.*
Omphalia flavida (Cke.) Maub. & Rangel:					
Gardenia augusta (gardenia)	Mexico	9			N. Y., Tex.
Panagrolaimus rigidus (A. Schneid.) Thorne (?):					
Solanum tuberosum (potato)	Netherlands		1		Tex.
Papularia sphaerosperma (Fr.) Hoehn.:					
Bamboo	Malaysia			1	N. Y.
Papulaspora magnifica Hotson (?):					
Begonia sp	Netherlands			1	N. J.
Pestalotia anthurii P. Henn.:					
Anthurium sanguineum	Guatemala			1	Calif.*
Pestalotia banksiana Cav. (?):					
Banksia collina	New Zealand			1	Calif.*
Pestalotia conspicua Servazzi:					
Cattleya sp. (orchid)	Colombia			1	Fla.
Cymbidium devonianum (orchid)	India			1	Calif.*
Orchid	Costa Rica, Honduras			2	Tex., Wash.
Stanhopea sp. (orchid)	Mexico			1	Tex.
Pestalotia guepini Desm.:					
Camellia sp	Azores			1	Pa.
Pestalotia leprogena Speg. (?):					
Musa paradisiaca sapientum (banana)	Netherlands, Guiana		1		Pa.
Pestalotia macrotricha Kleb.:					
Rhododendron racemosum	Netherlands			1	N. J.
Rhododendron sp	do			4	N. J., Wash.
Pestalotia pezizoides De N.:					
Humulus sp	England			1	N. J.
Pestalotia rhododendri (D. Sacc.) Guba:					
Rhododendron indicum (indica azalea)	Belgium			1	N. J.
Rhododendron sp	Netherlands			3	N. J.

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Phacidium tsugae Cash & Davidson:					
Tsuga sp. (hemlock)	Canada			1	N. Y.
Phoma citricarpa McAlp.:					
Citrus limon (lemon)	Australia, New Zealand		3		Calif.*, Mass.
Citrus paradisi (grapefruit)	Australia		1		Calif.*
Citrus reticulata (Mandarin orange)	China	17			Calif.*
Citrus sinensis (orange)	Australia, China, Spain, Union of South Africa (?).	6	6		Calif.*, Mass., N. Y., Tex.
Citrus sp. (Mandarin-type orange)	India		1		N. Y.
Citrus sp.	China	1			N. Y.
Phoma incarcerata (Nits.) Sacc.:					
Rosa sp. (rose)	Germany			1	N. J.
Phomopsis alnea Hoehn.:					
Alnus incana pinnatipartita	Finland			1	N. J.
Phomopsis cinerascens Trav.:					
Ficus sp.	Greece			1	N. Y.
Phomopsis corni Trav. (?):					
Cornus sp.	Canada			1	N. J.
Phomopsis depressa Trav. (?):					
Syringa sp.	Netherlands			1	N. J.
Phomopsis magnoliae Died.:					
Magnolia soulangeana (saucer magnolia)	do			1	N. J.
Magnolia sp.	do			1	N. J.
Phomopsis magnoliicola Died.:					
Magnolia sp.	do			3	N. J.
Phomopsis tinea (Sacc.) Hoehn.:					
Viburnum sp.	do			1	N. J.
Phomopsis vexans (Sacc. & Syd.) Harter:					
Solanum melongena (eggplant)	Mexico		1		Tex.
Phyllachora balansae Speg.:					
Cedrela sp.	Panama	1			N. Y.
Phyllachora cynodontis (Sacc.) Niessl:					
Cynodon dactylon (Bermuda grass)	India	1			Mass.
Phyllachora engleri Speg.:					
Anthurium sp.	Costa Rica	1			Fla.
Phyllosticta camelliae West.:					
Camellia sp.	Netherlands			1	N. J.
Phyllosticta cymbidii Verpl.:					
Cymbidium sp. (orchid)	Japan			1	Hawaii.
Phyllosticta laeliae Keissl.:					
Cymbidium sp. (orchid)	England			1	Calif.*
Orchid	Mexico			2	Ariz., Tex.
Phyllosticta limbalis Pers.:					
Buxus sp.	Netherlands			2	N. J.
Phyllosticta maculiformis Sacc.:					
Castanea sativa (chestnut)	Italy			1	N. Y.
Phyllosticta odontoglossi Verpl. & Claess.:					
Stanhopea wardii (orchid)	Panama			1	Fla.
Stanhopea sp.	Costa Rica			1	Fla.
Phyllosticta sorghina Sacc.:					
Sorghum vulgare (sorghum)	Liberia			1	D. C.
Physalospora camptospora Sacc.:					
Laelia purpurata (orchid)	Brazil			1	Tex.
Laelia sp.	Mexico			2	Tex.
Physalospora obtusa (Schw.) Cke.:					
Pyrus communis (pear)	Argentina	1			N. Y.
Physalospora orchidearum P. Henn.:					
Cymbidium sp. (orchid)	India			1	N. J.
Cypripedium sp. (orchid)	do			1	N. J.
Orchid	do			1	N. J.
Physalospora peribambusina Rehm:					
Bamboo	do	1			N. Y.
Physalospora wildemaniana Sacc. (?):					
Trichopilia tortilis (orchid)	Mexico			1	Calif.*
Physopella fici (Cast.) Arth.:					
Ficus carica (fig)	do		1	1	Tex.
Phytophthora citrophthora (E. H. & R. E. Sm.) Leonian:					
Cucurbita sp. (squash)	do	1			Tex.
Phytophthora phaseoli Thaxt.:					
Phaseolus vulgaris var. (string bean)	do	1			Tex.

List of pests (diseases) collected and reported from July 1, 1947, to June 30, 1948, inclusive—Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Pithya cupressina (Fr.) Fckl.: *Juniperus* sp	Netherlands	-	-	1	N. J.
Plasmodiophora brassicae Wor.: *Brassica rapa* (turnip)	do	-	1	-	Tex.
Pleospora gilletiana Sacc.: *Ulex europaeus* (gorse)	Ireland	-	-	1	Mass.
Pleospora herbarum (Pers.) Rab.: *Fraxinus excelsior* (European ash)	Italy	1	-	-	N. Y.
Plowrightia virgultorum (Fr.) Sacc.: *Betula pendula* (European white birch)	Sweden	-	1	-	Mass.
Polyporus sanguineus Fr.: Wood—truck body	Philippines	1	-	-	Calif.*
Pratylenchus scribneri Steiner: *Solanum tuberosum* (potato)	Mexico	1	-	-	Tex.
Pseudomonas fabae (Yu) Breed: *Vicia faba* (broadbean)	India	-	-	1	D. C.
Pseudomonas marginata (McCull.) Stapp: *Crocus* sp	Netherlands	-	-	1	N. Y.
	Azores, Guatemala	1	-	1	N. J., Tex.
Gladiolus sp					
Pseudomonas savastanoi (E. F. Sm.) F. L. Stevens: *Olea europaea* (olive)	Azores	1	-	-	Mass.
Pseudomonas seminum Cayley: *Pisum sativum* (pea)	Portugal	-	2	-	Pa.
Pseudomonas viciae Uyeda: *Vicia faba* (broadbean)	India	-	-	1	D. C.
Puccinia longicornis Pat. & Hariot: Bamboo	China	1	-	-	N. Y.
Puccinia magnusiana Koern.: *Phragmites communis* (reed)	Italy	1	-	-	N. Y.
Puccinia melanocephala Syd.: Bamboo	India	-	1	-	Mass.
Puccinia ornithogali-thyrsoides Diet.: *Ornithogalum thyrsoides* (chinkerichee)	Union of South Africa	2	-	-	Md., Mass.
Puccinia phragmitis (Schum.) Koern.: *Phragmites communis* (reed)	Italy	-	1	-	Pa.
Puccinia rubigo-vera secalis (Eriks.) Carlton: *Secale cereale* (rye)	Tunisia	1	-	-	Tex.
Puccinia stakmanii Presley: *Gossypium* sp. (cotton)	Mexico	1	-	-	Ariz.
Pyrenopeziza lauri-cerasi (Desm.) Nannf.: *Prunus laurocerasus* (English cherry-laurel)	Netherlands	-	-	3	N. J.
Ravenelia siliquae Long: *Acacia farnesiana*	Mexico	1	-	-	Tex.
Sclerotinia kerneri Wettst.: *Abies alba* (silver fir)	Germany	1	-	-	Pa.
Sclerotinia minor Jagger: *Cichorium endivia* (endive)	Belgium	3	-	-	N. Y.
Sclerotiopsis concava (Desm.) Shear & Dodge: *Hydrangea petiolaris* (climbing hydrangea)	Netherlands	-	-	1	N. J.
Sclerotium cepivorum Berk.: *Allium sativum* (garlic)	Italy	-	1	-	Pa.
Sclerotium delphinii Welch: *Lilium* sp. (lily)	Netherlands	-	-	2	N. Y.
Sclerotium oryzae Catt.: *Oryzsa sativa* (rice)	China, Japan	1	3	-	Calif.,* D. C.
Septoria arethusa Penz.: *Citrus limon* (lemon)	Argentina	-	1	-	Mass.
Septoria azaleae Vogl.: *Rhododendron* sp	Belgium, Netherlands	-	-	10	N. J., Wash.
Septoria cercosporoides Trail: *Chrysanthemum* sp	Mexico	1	-	-	Tex.
Septoria dianthi Desm. (?): *Dianthus* sp	New Zealand	-	-	1	Calif.*
Septoria nodorum Berk.: *Triticum aestivum* (wheat)	England	1	-	-	Kans.
Septoria pisi West.: *Pisum sativum* (pea)	Spain	-	1	-	Pa.

List of pests (diseases) collected and reported from July 1, 1947, to June 30, 1948, inclusive—Continued

[An asterisk indicates State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Septoria posekensis Sacc.:					
Cymbidium devonianum (orchid)	India			5	Calif.*
Cymbidium whiteae	do			5	Calif.*
Cymbidium sp	do			1	Calif.*
Cypripedium fairieanum (orchid)	do			5	Calif.,* N. J.
Cypripedium insigne	do			3	Calif.*
Septoria vincae Desm.:					
Vinca minor (periwinkle)	Netherlands			1	N. J.
Sphaceloma fawcettii Bitanc. & Jenkins var. *scabiosa* (McAlp. & Tryon) Jenkins:					
Citrus limon (lemon)	Australia		1		Mass.
Sphacelotheca trachypogonis Zundel:					
Trachypogon montufari (crinkleawn)	Brazil			1	D. C.
Sphaeropsis ellisii Sacc.:					
Pinus sp. (pine)	Italy	1			Pa.
Sphaeropsis malorum Pk.:					
Salix alba vitellina (yellowstem white willow)	Union of Soviet Socialist Republics.			1	D. C.
Salix sp	Argentina		1		Pa.
Sphaeropsis salicicola Pass.:					
Wood	Portugal	1			Pa.
Sphenospora kevorkianii Linder:					
Stanhopea (?) sp. (orchid)	Ecuador			1	Tex.
Stachybotrys subsimplex Cke.:					
Brassica rapa (turnip)	Australia		1		Calif.*
Stachylidium theobromae Turc.:					
Musa paradisiaca (plantain)	Costa Rica, Cuba, 11 Honduras.				N. Y.
Musa paradisiaca sapientum (banana)	Canal Zone, Costa Rica, Ecuador, Guatemala, Haiti, Honduras, Mexico, Panama, St. Lucia.	32	2		Calif.,* N. Y., Wash.
Stagonospora curtisii (Berk.) Sacc. (?):					
Narcissus sp	Australia			1	Calif.*
Stagonospora ilicis Grove:					
Ilex aquifolium (English holly)	England			1	N. Y.
Stemphylium botryosum Wallr.:					
Allium porrum (leek)	France		1		Pa.
Cucumis melo var. honeydew	Chile	1			N. Y.
Dianthus sp. (carnation)	Mexico	1			Tex.
Lycopersicon esculentum (tomato)	Canary Islands, Morocco	2	1		N. Y.
Pennisetum sp	Pretoria			1	D. C.
Pittosporum sp	Bermuda			1	Md.
Stemphylium ilicis Tengwall:					
Capsicum frutescens (pepper)	Mexico	4			Ariz., Tex.
Hyacinthus sp	Netherlands			4	N. Y., Pa., Tex.
Muscari sp	do			2	Pa., S. C.
Stereum fasciatum Schw.:					
Orchid	Mexico			1	Tex.
Stevensea wrightii (Stevens) Trott.:					
Cactus	do			1	Tex.
Stilbum incarnatum Wakk.:					
Colocasia esculenta (dasheen)	China	1			Calif.*
Eleocharis dulcis (waternut)	do	2			Calif.*
Nymphaea sp. (waterlily)	do	1			N. Y.
Trapa natans (waterchestnut)	do	1			Calif.*
Zingiber officinale (ginger)	do	1			Calif.*
Thecopsora areolata (Fr.) Magn.:					
Prunus padus ("bird" cherry)	Finland			1	Wash.
Thielaviopsis basicola (Berk. & Br.) Ferr.:					
Begonia sp	Belgium, France, Netherlands.			3	N. J., N. Y.
Sinningia sp. (gloxinia)	Belgium, Netherlands			12	N. J., N. Y., Pa.
Tilletia rugispora Ell. & Gall.:					
Paspalum sp	Brazil			2	D. C.
"Tomato pox":					
Lycopersicon esculentum (tomato)	Mexico	14			Tex.
Tranzchelia pruni-spinosae (Pers.) Diet.:					
Prunus persica (peach)	do	1			Tex.
Prunus spp	do	1			La.

List of pests (insects) collected and reported from July 1, 1947 to June 30, 1948, inclusive—Continued

[An asterisk indicates State inspection]

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
Triposporium stelligerum Speg.:					
Gardenia augusta (gardenia)	Mexico	1			Tex.
Trochila ilicis (Chev. ex Fr.) Crouan:					
Ilex aquifolium (English holly)	British Columbia	1			Mich.
Tuberculariavulgaris Tode ex Fr.:					
Sorbus sp.	Netherlands			1	N. J.
Uredo behnickiana P. Henn.:					
Laelia anceps (orchid)	Mexico			1	Tex.
Laelia gouldiana	do			1	Tex.
Uredo epidendri P. Henn.:					
Epidendrum anceps or *E. rigidum* (orchid)	do			1	Tex.
Oncidium (?) sp. (orchid)	Honduras			1	Fla.
Uredo guacae Mayor:					
Cattleya (?) sp. (orchid)	Venezuela			1	P. R.
Stanhopea graveolens (orchid)	Brazil			1	Calif.*
Stanhopea sp.	Mexico, Peru			2	P. R., Tex.
Uredo ignava Arth.:					
Bambusa vulgaris (bamboo)	Unknown		1		N. Y.
Bambusa sp. (bamboo)	China			1	D. C.
Uredo oncidii P. Henn.:					
Oncidium sp. (orchid)	Mexico			3	Tex.
Uredo scabies Cke.:					
Vanilla planifolia (orchid)	Nicaragua			1	D. C.
Vanilla pompona	Canal Zone			1	N. J.
Vanilla sp.	Nicaragua			1	Fla.
Urocystis colchici (Schlecht.) Rab.:					
Colchicum autumnale (autumn-crocus)	Netherlands			10	N. J.
Colchicum bornmuelleri (bornmueller autumn-crocus).	do			1	N. J.
Colchicum sp.	England, Netherlands			10	N. J.
Urocystis occulata (Wallr.) Rab.:					
Secale cereale (rye)	Tunisia	1			Tex.
Uromyces alyxiae Arth.:					
Alyxia olivaeformis	Hawaii	1			Calif.*
Uromyces baeumerlianus Bub.:					
Melilotus messanensis	Egypt			1	N. Y.
Uromyces dolicholi Arth.:					
Cajanus cajan (pigeonpea)	Puerto Rico	1			N. Y.
Uromyces fabae (Pers.) DBy.:					
Vicia sp.	Greece, Netherlands	2			Fla.*, N. Y.
Uromyces striatus Schroet. var. *medicaginis* (Pass.) Arth.:					
Medicago sativa (alfalfa)	Argentina, Mexico	1	1		N. Y., Tex.
Ustilago kenjiana Ito (?):					
Sorghum vulgare (sorghum)	Arabia			1	D. C.
Venturia pyrina Aderh.:					
Cydonia oblonga (quince)	Italy	1			N. Y.
Vermicularia dematium Fr.:					
Amaryllis sp.	Azores			1	Mass.
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Verticillidochium tuberculariodes (Speg.) Bub.:					
Daucus carota (carrot)	Sweden		1		Tex.
Verticillium buxi Auers. & Fleisch.:					
Buxus sp.	Netherlands			1	N. J.
Xanthomonas citri (Hasse) Dowson:					
Citrus aurantifolia (sour lime)	India		5		Md., Mass., N. Y.
Citrus paradisi (grapefruit)	Philippines		1		Calif.*
Xanthomonas hyacinthi (Wakk.) Dowson:					
Hyacinthus sp.	Netherlands			4	Mich., N. Y., S. C.

Hosts and diseases

ABIES:
Sclerotinia kerneri (Ascomycetes)
ACACIA:
Ravenelia siliquae (Promycetes)
ACER:
Nectria cinnabarina (Ascomycetes)
AERIDES:
Diplodia paraphysaria (Deuteromycetes)
ALLIUM PORRUM:
Stemphylium botryosum (Deuteromycetes)
ALLIUM SATIVUM:
Aphelenchoides ritzema-bosi (Nematoda)
Ditylenchus dipsaci (Nematoda)
Sclerotium cepivorum (Deuteromycetes)
ALNUS:
Phomopsis alnea (Deuteromycetes)
ALYXIA:
Uromyces alyxiae (Promycetes)
AMARYLLIS:
Vermicularia dematium (Deuteromycetes)
ANTHURIUM:
Pestalotia anthurii (Deuteromycetes)
Phyllachora engleri (Ascomycetes)
ANTIRRHINUM:
Ascochyta decipiens (Deuteromycetes)
BAMBOO:
Papularia sphaerosperma (Deuteromycetes)
Physalospora peribambusina (Ascomycetes)
Puccinia longicornis (Promycetes)
Puccinia melanocephala (Promycetes)
BAMBUSA:
Cytospora lirella (Deuteromycetes)
Diplodia bambusae (Deuteromycetes)
Uredo ignava (Promycetes)
BANKSIA:
Pestalotia banksiana (?) (Deuteromycetes)
BEGONIA:
Papulaspora magnifica (?) (Deuteromycetes)
Thielaviopsis basicola (Deuteromycetes)
BETULA:
Plowrightia virgultorum (Ascomycetes)
BRASSICA RAPA:
Plasmodiophora brassicae (Myxomycetes)
Stachybotrys subsimplex (Deuteromycetes)
BUXUS:
Phyllosticta limbalis (Deuteromycetes)
Verticillium buxi (Deuteromycetes)
CACTUS:
Diaporthe dubia (?) (Ascomycetes)
Perisporium wrightii (Ascomycetes)
CAJANUS:
Diplodia theobromae (Deuteromycetes)
Uromyces dolicholi (Promycetes)
CAMELLIA:
Pestalotia guepini (Deuteromycetes)
Phyllosticta camelliae (Ascomycetes)
CAPSICUM:
Epicoccum nigrum (Deuteromycetes)
Gloeosporium piperatum (Deuteromycetes)
Helminthosporium carposaprum (Deuteromycetes)
Hormodendron cladosporioides (Deuteromycetes)
Myrothecium roridum (Deuteromycetes)
Stemphylium ilicis (Deuteromycetes)
CASTANEA:
Cytospora ceratosphora (Deuteromycetes)
Fusicoccum cinctum (Deuteromycetes)
Marsonina ochroleuca (Deuteromycetes)
Phyllosticta maculiformis (Deuteromycetes)
CATTLEYA:
Dendryphium toruloides var. *taurinense* (Deuteromycetes)
Diplodia paraphysaria (Deuteromycetes)
Macrophoma cattleyicola (Deuteromycetes)
Pestalotia conspicua (Deuteromycetes)
Uredo guacae (Promycetes)
CEDRELA:
Phyllachora balansae (Ascomycetes)
CHRYSANTHEMUM:
Septoria cercosporoides (Deuteromycetes)
CICHORIUM:
Ascochyta cichorii (Deuteromycetes)
Sclerotinia minor (Ascomycetes)
CINNAMOMUM:
Gloeosporium cinnamoni (Deuteromycetes)
CITRUS AURANTIFOLIA:
Xanthomonas citri (Schizomycetes)
CITRUS LIMON:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria arethusa (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
CITRUS PARADISI:
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA:
Phoma citricarpa (Deuteromycetes)
CITRUS SINENSIS:
Alternaria citri (Deuteromycetes)
Ascochyta citri (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
CITRUS SP.:
Ascochyta citri (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
COLCHICUM:
Ditylenchus dipsaci (Nematoda)
Ditylenchus iridis (Nematoda)
Urocystis colchici (Promycetes)
COLOCASIA:
Aphelenchoides bicaudatus (Nematoda)
Gliomastix convoluta (Deuteromycetes)
Stilbum incarnatum (Deuteromycetes)
CORNUS:
Phomopsis corni (Deuteromycetes)
CROCUS:
Ditylenchus iridis (Nematoda)
Fusarium bulbigenum (Deuteromycetes)
Pseudomonas marginata (Schizomycetes)
CUCUMIS:
Stemphylium botryosum (Deuteromycetes)
CUCURBITA:
Phytophthora citrophthora (Phycomycetes)
CYDONIA:
Gloeosporium fructigenum (Deuteromycetes)
Venturia pyrina (Ascomycetes)
CYMBIDIUM:
Melanospora zamiae (Ascomycetes)
Pestalotia conspicua (Deuteromycetes)
Phyllosticta cymbidii (Deuteromycetes)
Phyllosticta laeliae (Deuteromycetes)
Physalospora orchidearum (Ascomycetes)
Septoria posekensis (Deuteromycetes)
CYNODON:
Phyllachora cynodontis (Ascomycetes)
CYPRIPEDIUM:
Physalospora orchidearum (Ascomycetes)
Septoria posekensis (Deuteromycetes)
DAHLIA:
Coleosporium dahliae (Promycetes)
DASYLIRION:
Coniothyrium hysterioideum (Deuteromycetes)
DAUCUS:
Macrophomina phaseoli (Deuteromycetes)
Verticillidochium tuberculatioides (Deuteromycetes)
DENDROBIUM:
Diplodia paraphysaria (Deuteromycetes)
DEUTZIA:
Nectria cinnabarina (Ascomycetes)
DIANTHUS:
Heteropatella valtellinensis (Deuteromycetes)
Septoria dianthi (?) (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
ELEOCHARIS:
Gliomastix convoluta (Deuteromycetes)
Stilbum incarnatum (Deuteromycetes)
EPIDENDRUM:
Diplodia paraphysaria (Deuteromycetes)
Uredo epidendri (Promycetes)
ERIOBOTRYA:
Fusicladium eriobotryae (Deuteromycetes)
EUCALYPTUS:
Aulographum eucalypti (Ascomycetes)
FAGUS:
Asterosporium hoffmanni (Deuteromycetes)
Fusicoccum galericulatum (Deuteromycetes)
FICUS:
Phomopsis cinerascens (Deuteromycetes)
Physopella fici (Promycetes)
FRAXINUS:
Asocochyta fraxini (Deuteromycetes)
Pleospora herbarum (Ascomycetes)

Hosts and diseases—Continued

GALANTHUS:
Botrytis galanthina (Deuteromycetes)
GARDENIA:
Omphalia flavida (Deuteromycetes)
Triposporium stelligerum (Deuteromycetes)
GAULTHERA:
Ceuthospora lunata (Deuteromycetes)
GENISTA:
Coniothyrium genistae (Deuteromycetes)
GLADIOLUS:
Botrytis gladiolorum (Deuteromycetes)
Fusarium oxysporum var. *gladioli* (Deuteromycetes)
Pseudomonas marginata (Schizomycetes)
GOSSYPIUM:
Cercospora gossypina (Deuteromycetes)
Puccinia stakmanii (Promycetes)
HELLEBORUS:
Coniothyrium hellebori (Deuteromycetes)
HIBISCUS:
Colletotrichum hibisci (?) (Deuteromycetes)
HUMULUS:
Pestalotia pezizioides (Deuteromycetes)
HYACINTHUS:
Stemphylium ilicis (Deuteromycetes)
Xanthomonas hyacinthi (Schizomycetes)
HYDRANGEA:
Sclerotiopsis concava (Deuteromycetes)
ILEX:
Stagonospora ilicis (Deuteromycetes)
Trochilia ilicis (Ascomycetes)
IPOMOEA:
Fusarium oxysporium (Deuteromycetes)
Macrophomina phaseoli (Deuteromycetes)
IRIS:
Ditylenchus iridis (Nematoda)
Leptosphaeria heterospora (Ascomycetes)
JUGLANS:
Marsonia juglandis (Deuteromycetes)
JUNIPERUS:
Lophodermium juniperinum (Ascomycetes)
Pithya cupressina (Ascomycetes)
LAELIA:
Physalospora camptospora (Ascomycetes)
Uredo behnickiana (Promycetes)
LILIUM:
Aphelenchoides parietinus (Nematoda)
Botrytis elliptica (Deuteromycetes)
Colletotrichum lilii (Deuteromycetes)
Sclerotium delphinii (Deuteromycetes)
LYCOPERSICON:
Helminthosporium carposaprum (Deuteromycetes)
Hormodendron cladosporioides (Deuteromycetes)
Myrothecium roridum (Deuteromycetes)
Stemphylium botryosum (Deuteromycetes)
"Tomato pox"
Vermicularia dematium (Deuteromycetes)
MAGNOLIA:
Nectria cinnabarina (Ascomycetes)
Phomopsis magnoliae (Deuteromycetes)
Phomopsis magnoliicola (Deuteromycetes)
MAHONIA:
Cumminsiella sanguinea (Promycetes)
MALUS:
Cytospora ambiens (Deuteromycetes)
Elsinoe piri (Ascomycetes)
Leptothyrium pomi (Deuteromycetes)
Monilinia fructigena (Ascomycetes)
MANGIFERA:
Diplodia theobromae (Deuteromycetes)
MANIHOT:
Diplodia theobromae (Deuteromycetes)
MEDICAGO:
Uromyces striatus var. *medicaginis* (Promycetes)
MELILOTUS:
Uromyces baeumerlianus (Promycetes)
MORUS:
Botryosphaeria ribis (?) (Ascomycetes)
Cytospora atra (Deuteromycetes)
MUSA PARADISIACA:
Diplodia theobromae (Deuteromycetes)
Macrophoma musae (Deuteromycetes)
Stachylidium theobromae (Deuteromycetes)
MUSA PARADISIACA SAPIENTUM:
Cercospora musae (Deuteromycetes)
Pestalotia leprogena (?) (Deuteromycetes)
Stachylidium theobromae (Deuteromycetes)
MUSCARI:
Stemphylium ilicis (Deuteromycetes)
NARCISSUS:
Aphelenchoides subtenuis (Nematoda)
Ditylenchus dipsaci (Nematoda)
Fusarium bulbigenum (Deuteromycetes)
Stagonospora curtisii (?) (Deuteromycetes)
NERIUM:
Cercospora neriella (Deuteromycetes)
NICOTIANA:
Cercospora nicotianae (Deuteromycetes)
NYMPHAEA:
Stilbum incarnatum (Deuteromycetes)
ODONTOGLOSSUM:
Cercospora angraeci (Deuteromycetes)
Memnoniella echinata (Deuteromycetes)
OLEA:
Gloeosporium olivarum (Deuteromycetes)
Pseudomonas savastanoi (Schizomycetes)
ONCIDIUM:
Diplodia paraphysaria (Deuteromycetes)
Hemileia oncidii (Promycetes)
Uredo epidendri (Promycetes)
Uredo oncidii (Promycetes)
ORCHID:
Pestalotia conspicua (Deuteromycetes)
Phyllosticta laeliae (Deuteromycetes)
Physalospora orchidearum (Ascomycetes)
Stereum fasciatum (Basidiomycetes)
ORNITHOGALUM:
Ditylenchus dipsaci (Nematoda)
Puccinia ornithogali-thyrsoides (Promycetes)
ORYZA:
Gliomastix convoluta (Deuteromycetes)
Helminthosporium oryzae (Deuteromycetes)
Mycosphaerella hondai (Ascomycetes)
Neovossia horrida (Promycetes)
Nigrospora sphaerica (Deuteromycetes)
Sclerotium oryzae (Deuteromycetes)
PASPALUM:
Tilletia rugispora (Promycetes)
PENNISETUM:
Stemphylium botryosum (Deuteromycetes)
PERSEA:
Dothiorella gregaria (Deuteromycetes)
PHASEOLUS LUNATUS MACROCARPUS:
Elsinoe phaseoli (Ascomycetes)
PHASEOLUS VULGARIS var. (string bean):
Phytophthora phaseoli (Phycomycetes)
PHRAGMITES:
Puccinia magnusiana (Promycetes)
Puccinia phragmitis (Promycetes)
PHYSALIS:
Cercospora physalicola (Deuteromycetes)
PINUS:
Cryptospora longispora (Ascomycetes)
Sphaeropsis ellisii (Deuteromycetes)
PISUM:
Ascochyta pisi (Deuteromycetes)
Mycosphaerella pinodes (Ascomycetes)
Pseudomonas seminum (Schizomycetes)
Septoria pisi (Deuteromycetes)
PITTOSPORUM:
Stemphylium botryosum (Deuteromycetes)
POLIANTHUS:
Heterodera marioni (Nematoda)
POPULUS:
Diplodia populina (Deuteromycetes)
PROSOPIS:
Gloeosporium leguminum (Deuteromycetes)
PRUNUS CERASIFERA:
Monilinia laxa (Deuteromycetes)
PRUNUS LAUROCERASUS:
Gloeosporium phacidiellum (Deuteromycetes)
Pyrenopeziza lauri-cerasi (Ascomycetes)
PRUNUS PADUS:
Thecopsora arcolata (Deuteromycetes)
PRUNUS PERSICA:
Coryneum beijerincki (Deuteromycetes)
Tranzschelia pruni-spinosae (Promycetes)
PRUNUS SP. (cherry):
Monilinia laxa (Deuteromycetes)
PRUNUS SP.:
Tranzschelia pruni-spinosae (Promycetes)
PUERARIA:
Melanospora zamiae (Ascomycetes)
PUNICA:
Mycosphaerella lythracearum (Ascomycetes)

Hosts and diseases—Continued

PYRACANTHA:
Fusicladium pyracanthae (Deuteromycetes)
PYRUS:
Physalospora obtusa (Ascomycetes)
RHODODENDRON:
Cercospora handelii (Deuteromycetes)
Discosia artocreas (Deuteromycetes)
Exobasidium vaccinii (Basidiomycetes)
Gloeosporium rhododendri (?) (Deuteromycetes)
Gloniopsis levantica (Ascomycetes)
Heterosporium variabile (Deuteromycetes)
Mycosphaerella rhododendri (Ascomycetes)
Pestalotia macrotricha (Deuteromycetes)
Pestalotia rhododendri (Deuteromycetes)
Septoria azalea (Deuteromycetes)
ROSA:
Cercospora rosicola (Deuteromycetes)
Coniothyrium diplodiella (Deuteromycetes)
Mycosphaerella rosigena (Ascomycetes)
Phoma incarcerata (Deuteromycetes)
RUSCUS:
Leptosphaeria rusci (Ascomycetes)
SALIX:
Cytospora chrysosperma (Deuteromycetes)
Sphaeropsis malorum (Deuteromycetes)
SANSEVIERIA:
Gloeosporium sansevieriae (Deuteromycetes)
SECALE:
Puccinia rubigo-vera secalis (Promycetes)
Urocystis occulata (Promycetes)
SENECIO:
Coleosporium senecionis (Promycetes)
SINNINGIA:
Thielaviopsis basicola (Deuteromycetes)
SOLANUM MELONGENA:
Phomoposis vexans (Deuteromycetes)
SOLANUM TUBEROSUM:
Aphelenchus avenae (Nematoda)
Memnoniella echinata (Deuteromycetes)
Panagrolaimus rigidus (?) (Nematoda)
Pratylenchus scribneri (Nematoda)
SORBUS:
Tubercularia vulgaris (Deuteromycetes)
SORGHUM:
Phyllosticta sorghina (Deuteromycetes)
Ustilago kenjiana (?) (Promycetes)
STANHOPEA:
Pestalotia conspicua (Deuteromycetes)
Phyllosticta odontoglossi (Deuteromycetes)
Sphenospora kevorkianii (Promycetes)
Uredo guacae (Promycetes)
SYRINGA:
Phomopsis depressa (?) (Deuteromycetes)
TIGRIDIA:
Ditylenchus iridis (Nematoda)
TRACHYPOGON:
Sphacelotheca trachypogonis (Promycetes)
TRAPA:
Stilbum incarnatum (Deuteromycetes)
TRICHOPILIA:
Physalospora wildemaniana (Ascomycetes)
TRITICUM:
Septoria nodorum (Deuteromycetes)
TSUGA:
Phacidium tsugae (Ascomycetes)
ULEX:
Coniothyrium olivaceum (Deuteromycetes)
Pleospora gilletiana (Ascomycetes)
VANILLA:
Colletotrichum vanillae (Deuteromycetes)
Uredo scabies (Promycetes)
VIBURNUM:
Phomopsis tinea (Deuteromycetes)
VICIA:
Pseudomonas fabae (Schizomycetes)
Pseudomonas viciae (Schizomycetes)
Uromyces fabae (Promycetes)
VINCA:
Septoria vincae (Deuteromycetes)
VIOLA:
Cercospora violae (Deuteromycetes)
ZINGIBER:
Gliomastix convoluta (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
Stilbum incarnatum (Deuteromycetes)
ZINNIA:
Cercospora zinniae (Deuteromycetes)

Hosts Unknown

VINE ROOTS:
Aphelenchoides bicaudatus (Nematoda)
Heterodera marioni (Nematoda)
WOOD:
Polyporus sanguineus (Basidiomycetes)
Sphaeropsis salicicola (Deuteromycetes)

Countries of origin and diseases

ARABIA:
Ustilago kenjiana (?)
ARGENTINA:
Coleosporium senecionis
Cytospora chrysosperma
Elsinoe australis
Physalospora obtusa
Septoria arethusa
Sphaeropsis malorum
Uromyces striatus var. *medicaginis*
AUSTRALIA:
Aulographum eucalypti
Colletotrichum lilii
Phoma citricarpa
Sphaceloma fawcettii var. *scabiosa*
Stachybotrys subsimplex
Stagonospora curtisii (?)
AZORES:
Ascochyta citri
Pestalotia guepini
Pseudomonas marginata
Pseudomonas savastanoi
Vermicularia dematium
BELGIUM:
Ascochyta cichorii
Cercospora handelii
Cumminsiella sanguinea
Pestalotia rhododendri
Sclerotinia minor
Septoria azaleae
Thielaviopsis basicola
BERMUDA:
Cercospora neriella
Gloeosporium sansevieriae
Mycosphaerella rosigena
Stemphylium botryosum
BRAZIL:
Diplodia theobromae
Elsinoe australis
Gloeosporium piperatum
Hemileia oncidii
Physalospora camptospora
Sphacelotheca trachypogonis
Tilletia rugispora
Uredo guacae
BRITISH COLUMBIA:
Trochila ilicis
CANADA:
Cercospora violae
Coniothyrium genistae
Heteropatella valtellinensis
Phacidium tsugae
Phomopsis corni
CANAL ZONE:
Cercospora musae
Stachylidium theobromae
Uredo scabies
CANARY ISLANDS:
Stemphylium botryosum
CHILE:
Stemphylium botryosum

Countries of origin and diseases—Continued

CHINA:
Colletotrichum lilii
Gliomastix convoluta
Melanospora zamiae
Mycosphaerella hondai
Nigrospora sphaerica
Phoma citricarpa
Puccinia longicornis
Sclerotium oryzae
Stilbum incarnatum
Uredo ignava
COLOMBIA:
Diplodia paraphysaria
Macrophoma cattleyicola
Pestalotia conspicua
COSTA RICA:
Cercospora musae
Dendryphium toruloides var. *taurinense*
Pestalotia conspicua
Phyllachora engleri
Phyllosticta odontoglossi
Stachylidium theobromae
CUBA:
Cercospora musae
Cercospora nicotianae
Cercospora rosicola
Colletotrichum vanillae
Diplodia theobromae
Macrophomina phaseoli
Stachylidium theobromae
CYPRUS:
Aphelenchoides bicaudatus
DOMINICA:
Cercospora musae
Gloeosporium cinnamomi
DOMINICAN REPUBLIC:
Cercospora musae
Gloeosporium leguminum
Macrophoma musae
Stachylidium theobromae
DUTCH GUIANA:
Cercospora musae
Pestalotia leprogena(?)
ECUADOR:
Sphenospora kevorkianii
Stachylidium theobromae
EGYPT:
Diplodia theobromae
Uromyces baeumerlianus
ENGLAND:
Aphelenchoides parietinus
Ascochyta decipiens
Cercospora angraeci
Cytospora ambiens
Ditylenchus dipsaci
Ditylenchus iridis
Gloeosporium rhododendri (?)
Monilinia laxa
Pestalotia pezizioides
Phyllosticta laeliae
Septoria nodorum
Stagonospora ilicis
Urocystis colchici
FINLAND:
Phomopsis alnea
Thecopsora areolata
FRANCE:
Aphelenchus avenae
Ascochyta pisi
Cercospora angraeci
Coniothyrium diplodiella
Cytospora ceratosphora
Hormodendron cladosporioides
Leptothyrium pomi
Stemphylium botryosum
Thielaviopsis basicola
FRENCH GUIANA:
Diplodia paraphysaria
GERMANY:
Phoma incarcerata
Sclerotinia kerneri
GREECE:
Phomopsis cinerascens
Uromyces fabae
GUAM:
Colletotrichum hibisci (?)
GUATEMALA:
Cercospora musae
Pestalotia anthurii
Pseudomonas marginata
Stachylidium theobromae
HAITI:
Stachylidium theobromae
HAWAII:
Uromyces alyxiae
HONDURAS:
Cercospora musae
Diplodia paraphysaria
Pestalotia conspicua
Stachylidium theobromae
Uredo epidendri
INDIA:
Colletotrichum lilii
Melanospora zamiae
Neovossia horrida
Pestalotia conspicua
Phoma citricarpa
Phyllachora cynodontis
Physalospora orchidearum
Physalospora peribambusina
Pseudomonas fabae
Pseudomonas viciae
Puccinia melanocephala
Septoria posekensis
Xanthomonas citri
IRELAND:
Coniothyrium olivaceum
Pleospora gilletiana
ITALY:
Ascochyta citri
Ascochyta fraxini
Coryneum beijerincki
Fusicoccum cinctum
Gloeosporium olivarum
Leptosphaeria rusci
Marsonina juglandis
Marsonina ochroleuca
Phyllosticta maculiformis
Pleospora herbarum
Puccinia magnusiana
Puccinia phragmitis
Sclerotium cepivorum
Sphaeropsis ellisii
Venturia pyrina
JAPAN:
Botryosphaeria ribis (?)
Botrytis elliptica
Colletotrichum lilii
Cytospora atra
Gliomastix convoluta
Helminthosporium oryzae
Mycosphaerella hondai
Phyllosticta cymbidii
Sclerotium oryzae
LIBERIA:
Phyllosticta sorghina
MALAYSIA:
Papularia sphaerosperma
MEXICO:
Alternaria citri
Aphelenchoides ritzema-bosi
Aphelenchus avenae
Cercospora gossypina
Cercospora musae
Cercospora physalicola (?)
Cercospora rosicola
Coleosporium dahliae
Coniothyrium hysterioideum
Cytospora lirella
Diaporthe dubia (?)
Diplodia bambusae
Diplodia paraphysaria
Ditylenchus dipsaci
Dothiorella gregaria
Epicoccum nigrum
Fusarium oxysporium
Gloeosporium fructigenum
Helminthosporium carposaprum
Heterodera marioni
Hormodendron cladosporioides
Macrophomina phaseoli
Memnoniella echinata
Myrothecium roridum
Omphalia flavida

Countries of origin and diseases—Continued

MEXICO—Continued
Perisporium wrightii
Pestalotia conspicua
Phomopsis vexans
Phyllosticta laeliae
Physalospora camptospora
Physalospora wildemaniana (?)
Physopella fici
Phytophthora citrophthora
Phytophthora phaseoli
Pratylenchus scribneri
Puccinia stakmanii
Ravenelia siliquae
Septoria cercosporoides
Stachylidium theobromae
Stemphylium botryosum
Stemphylium ilicis
Stereum fasciatum
"Tomato pox"
Tranzschelia pruni-spinosae
Triposporium stelligerum
Uredo behnickiana
Uredo epidendri
Uredo guacae
Uredo oncidii
Uromyces striatus var. *medicaginis*
Vermicularia dematium
MOROCCO:
Marsonina juglandis
Stemphylium botryosum
NETHERLANDS:
Aphelenchoides subtenuis
Asterosporium hoffmanni
Botrytis galanthina
Botrytis gladiolorum
Cercospora handelii
Ceuthospora lunata
Coniothyrium hellebori
Cumminsiella sanguinea
Discosia artocreas
Ditylenchus dipsaci
Ditylenchus iridis
Exobasidium vaccinii
Fusarium bulbigenum
Fusicladium pyracanthae
Fusicoccum galericulatum
Fusarium oxysporum var. *gladioli*
Gloeosporium phacidiellum
Gloniopsis levantica
Heterosporium variabile
Leptosphaeria heterospora
Lophodermium juniperinum
Mycosphaerella rhododendri
Nectria cinnabarina
Panagrolaimus rigidus (?)
Papulaspora magnifica (?)
Pestalotia macrotricha
Pestalotia rhododendri
Phomopsis depressa (?)
Phomopsis magnoliae
Phomopsis magnoliicola
Phomopsis tinea
Phyllosticta camelliae
Phyllosticta limbalis
Pithya cupressina
Plasmodiophora brassicae
Pseudomonas marginata
Pyrenopeziza lauri-cerasi
Sclerotiopsis concava
Sclerotium delphinii
Septoria azalea
Septoria vincae
Stemphylium ilicis
Thielaviopsis basicola

NETHERLANDS—Continued
Tuberculariа vulgaris
Uromyces fabae
Urocystis colchici
Verticillium buxi
Xanthomonas hyacinthi
NEW ZEALAND:
Cryptospora longispora
Monilinia laxa
Pestalotia banksiana (?)
Phoma citricarpa
Septoria dianthi (?)
NICARAGUA:
Cercospora musae
Uredo scabies
NORWAY:
Nectria cinnabarina
OKINAWA:
Aphelenchoides bicaudatus
Heterodera marioni
PANAMA:
Cercospora musae
Diplodia theobromae
Phyllachora balansae
Phyllosticta odontoglossi
Stachylidium theobromae
PARAGUAY:
Elsinoe australis
PERU:
Uredo guacae
PHILIPPINES:
Diplodia paraphysaria
Polyporus sanguineus
Xanthomonas citri
PORTUGAL:
Diplodia populina
Fusicladium eriobotryae
Mycosphaerella pinodes
Pseudomonas seminum
Sphaeropsis salicicola
PRETORIA:
Stemphylium botryosum
PUERTO RICO:
Elsinoe phaseoli
Mycosphaerella lythracearum
Uromyces dolicholi
ST. LUCIA:
Stachylidium theobromae
SPAIN:
Leptothyrium pomi
Phoma citricarpa
Septoria pisi
SWEDEN:
Monilinia fructigena
Plowrightia virgultorum
Verticillidochium tuberculariodes
TRINIDAD:
Cercospora zinniae
Hemileia oncidii
TUNISIA:
Puccinia rubigo-vera secalis
Urocystis occulata
UNION OF SOUTH AFRICA:
Phoma citricarpa
Puccinia ornithogali-thyrsoides
UNION OF SOVIET SOCIALIST REPUBLICS:
Elsinoe piri
Leptothyrium pomi
Sphaeropsis malorum
UNKNOWN:
Uredo ignava
VENEZUELA:
Macrophoma cattleyicola
Uredo guacae